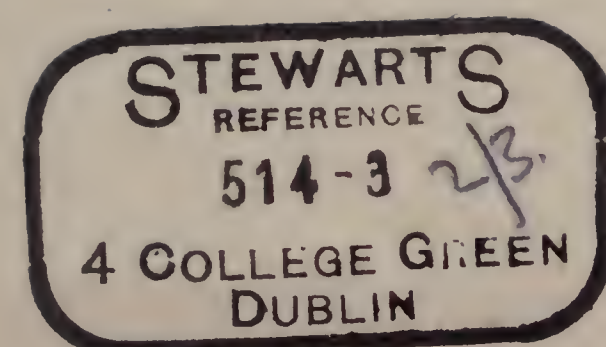


Vol. 17.

DIARY



From 16th May 1948

to 15th Sept 1949.

This copy of notes taken
from lecture of 11th October
in Great Room, Dublin
was made by me, and
passed from back of
12 V.S.

G. W. Stelfox

16th May 1948. Entirely sunny, very hot sun, but very strong
easterly wind. Therefore drove inland & collected in
three areas, where some shelter afforded by hedges, &c. as follows.

1 = roadsides & grazing fields at Sherlockstown, KD,
(about 1 1/4 miles NE. of Sallins) 11.30 till 12.30 AM-PM.

2 = Fields, willows, & sides of drain (by canal fields?)
1 1/2 miles W. of Robertstown, KD. 1.30 till 3.0 PM.

3 = Plantation S. of road & canal, 1/2 mile E. of Landerstown,
Co. KD., as often before.

Left Landerstown at 5 PM. & home at 5.50 PM.
(M.W.R. & V. Graham with us for the day).

Insects taken at 1 = Sherlockstown, KD.

Sample 2 = *Argemastus* ♂.

[17 with pair - this labelled
on 6.10.1951.]

Empria cf. *tenuata*? ♀

Chrysomelid 1: not mtd.

Cryptinid ♀: none mtd.

Pimpla exanimata Guett. ♂, not mtd. } *Glypta curvipes* ♂, not mtd.

Promethes cognatus 3 ♂♂. not mtd.

Homocidus pallipes ♂: not mtd.

Exochus cf. *rotator*? 1 ♂ (1/2), not mtd.

Campoplegid 6: not mtd.

Ichneumonid 2 ♂♂, 1 ♀. ♂♂ & ♀ mtd (2 mtd) = *Leptopygus* *leptopygus*? ♂, not mtd.

Theridionid ♀, not mtd.

Taken at 1, cont.

Pentapleura parvula ♂: not coll.

A. (Synaldis) concolor ? 6 minute ♂, ant. 19.

$$\text{Kfz mit 1000 kg} \quad 1 =$$

Taken at 2'

There being 6 of the transverse group with
simple front process, 2 deep lobes and
post. frontal process, front. and crown
blackish yellow; 10 another 10 dark
dark green.

Baryx trilineatus SuccH. 57. not at all

employed 5: none - old

Phryganella chlorocera W. not mtd

16.5.48, cont. W of Robertston, KS, cont.
Taken at 2, cont.

Meteorus scutellator ^{ant. 32} *pallipes* ♀. *M. cf. pulchricornis* ♂, ant. 33. ^{see with removed name rejected!}
Opius caesus 2 ♂ of common? none mtd.

Phaenocarpa piceicornis 2 ♂♂, not mtd.

Aspilota ruficornis ♂, ant. 22, small.

Oenone lucina 1

Dacnusa aphanta, *areolaris*, *pulicicornis* (small) none mtd.

D. melanocoma-groenlandica large ♂, ant. 33.

Phaenocarpa concolor ♂, 1 ♀ not mtd.

Chalcids not mtd.

Beetles 2: blue black jumper =
grey (pinnate?) weevil =

16.5.48, cont. Landonston, KS.

Taken at 3. [18 mounted from 3 - these labelled on 11.10.1951.]

Crabro vagans & *chrysanthus* ♂♂. *Pimpla* *hirsuta* ♂
& *Elaphidion* *annulatum* seen at same place as *Syrphoctonus* bag.
Phaenocarpa ♂: not mtd.

Phygadeuon? ♂, ant. 21. *Schizopyga atripes* ♂, ant. 24.

Pimpla *lucicola* ♂, ant. 22, not mtd.

P. ruficornis ♂, mtd. 1? *quadridentata* ♀ see 11.

16.5.48, cont. Landonston, KS, cont.
Taken at 3, cont.

Polyblastus pallipes 1 ♂, ant. 24.

Pimpla quadridentata large ♀, ant. 37.

Pimpla *capitata* ♂ with *Gasterophilus* *insipiens* ♂, ant. 20.

Homocidus *terrestris* 2 ♂♂, one with many black scutellum mtd. ant. 34.

H. piceicornis ♂, ant. 21. *H. pallipes* ♂, not mtd.

H. lyallii ♂, not mtd. *H. longicornis* ♂, ant. 22.

Bracon areolaris "B" ♂, small, ant. 37. ^{large ♂ with large pinnate ant. at base of 1st seg. taken at 1, 12.1.2. ant. 37.}
B. areolaris m. ♂, ant. 37.

Apanteles ♀: not mtd.

Meteorus pulchricornis 2 ♂♂, ant. 34 & 35.

Bracon areolaris: not mtd.

Chalcids sp. ♂: not mtd.

Beetles 1 =

Chalcids: not mtd.

Beetles 3 = *Coccinella* 11.

18th May 1948. *Bombus jonellus* ♂, very fresh, seen in back garden at 1 PM.

16.5.1948. Taken by R.C. Fries at Lough J. Gowna, Co. CV.
Phaenocarpa concolor ♀ ant. 22.
Dacnusa areolaris ♀, ant. 34.
Beetles =

18th May 1948. The 4th blazing hot day, with strong
 cool E. breeze. In afternoon went to Furry
 Glen, Phoenix Park, D.U., to show a Miss Claire
 D'Arcy how to collect insects at request of Dr
 B. M. Hottel, of Hope Museum, Oxford, who being a
 sort of pupil of his is now doing Nat. Science at
 Trinity College. Did a little sweeping in
 sun in last of lowest part of glen a strong spiced
 nearby spot by boundary wall, W. of same. Here took
 the following insects: - [mounted other collected insects]

Furry Glen, Phoenix Park, Dub.

Bombus terrestris, *lucorum*, *terrestris* & *agrorum* seen
Andrena grisea, & probably *fulva* seen
Homada maculata & probably *fulva* (small) seen
 none kept.

Aphidius ♂.
Dolichopus nigritarsis ♀, & *Pachyprotasis rapae* ♂: not mtd.
Orthocentrus ♂: not mtd.

Cynipids 7: 2 mounted =
Leptomyia flavipes ♂, ant. 29
Hemiteles ♂, ant. 22.

18.5.48, cont. Phoenix Park, Dub., cont.

Promethes sulcator, *fulvipes* ♂ & ♀
Picrogaster, large ♀, ant. 24.
Stenobothrus common. Not taken.
Opius pendulus, 2 ♂♂, dark legs, ant. 19 & 20.
Phaenocarpa ruficeps, ♂, ant. 28.
Aspilota pusilla ♀ ♂, ant. 17.
Dacnusa bellina ♂, *maculipes* ♂, *aphanta* ♀, *areolaris* ♂
D. melanocera - *grana* ♂, ant. 22.
D. (Gyrocampa) uliginosa 2 ♂♂ not mtd.
Coelinius sp. ♂, ant. 21.
Chorichneumon ♂, ant. 22. fine specimen.
Aphidius ♂♂ 10 - very common! None mtd.

Pentapleura ♂ & ♀ very common, small spp. none mtd.
Chalcids ♂ & ♀
Cynipids 1: not mtd. Green mite =

18th, 19th & 20th May. All three utterly sunny, very hot sun, E. wind.
 On 20th saw ♂ *Cratichneumon* (small) ♂, ant. 22, taken at Rathfriland, Co. Wick, 21.5.48.
 at 2 p.m. *Promethes* (small) ♂, ant. 22, taken at Rathfriland, Co. Wick, 21.5.48.
 22nd May: absolutely sunless, dull, breezy, with W. N.W. wind! dry.

23rd May 1948. After a blazing hot week Sat. 22nd dull, dry & chilly; rain started sometime during night of 22nd & 23rd & fell heavily till 10 A.M. with slight NE wind, then became almost fine with misty rain blowing in the wind. Called for Mr. R. & V. Graham at 52 Leeson St. in car at 10.30 A.M. & drove to Ballyman Glen, on DV-WI, boundary, S. of The Sculp to collect *Oreches brownstonensis* of Pugsley. I discovered the plant in the spot in 1920-21, one evening when the late J. de V. Hinch was showing me round shortly after he came to him in Dublin, & in my opinion it is simply a local form of *O. purpurella* Stephenson & what Pugsley also called *O. majalis* & *occidentalis* of western Ireland. It grows ^{mainly} on the Wicklow side of the stream; there also grow many other nice plants, such as *Carex paniceolata*, *Eriophorum latifolium*, *Selaginella selaginoides*, etc. Having collected specimens of *O. brownstonensis* for Hermonid Meikle & Mr. Summerhayes of Kew, we drove on in fine weather to the Devil's Glen, arriving there about 12.45, with sun almost

23.5.48, cont. Devil's Glen, Co. WI., cont. out & things beginning to dry. Walked slowly up glen to Z road & started there lunch when heavy & thick rain came on & lasted half an hour & wet everything, making sweeping impossible in most places for remainder of day. On passing through Little Bray noticed that Grouse & War Hill & even extreme summit of Tonduff were snow covered & quite white over about 2,000 ft.; & late from top of Devil's Glen saw that the big hills were all snow-covered & a party in mist in the glen informed me they had driven over the Heather Bed & passed Sally Gap in a snow-storm. After lunch searched for insects with netter under base of trees in open above the mixed hedge at top of wood & here between road & river (i.e. between foot of Z & gate) Graham took a ♀ sawfly, black & yellow, which he later ran down to *Herpiphrona lapidaria* & sent to Birch test, while near gate I took amongst other things 399 of *Aspilota variegata* ^{with} & Graham 10³ & 19 of same. The glen more (S.) side of the glen now almost stripped of trees, for fuel, & the branches & even some trunks thrown into the river.

23.5.48, cont. Devil's Glen, WI, cont.

— a most distressing night. Annot plant
on Miss Tottenham's (N.) side saw Red campion,
Rumex, Padus & P. avium, Festuca rubra, etc.,
mistletoe & young spikes of a large grass
with 1/4 inch diam. "quarry" stems & nearly white
violet flowers (= *Bromus*), also *Cladonia*,
pink & white flowers, *Carex sylvatica*, *C. lasiocarpa*,
& *C. diandra*, but could not see any of the *Urtica*.
Poppy on S. bank — perhaps owing to amount of
dead branches thrown into the river.

Collected into two sections as follows. —

Off bog, beech, oak, birch & *Salix*, & taken
gate at mixed hedge & top of R road = 1.
Off shrubs & undergrowth by road on between
mixed hedge & foot of glen = 2. Had cup
of tea in sun 200 yards below gate at foot of
glen at about 5-15 P.M. & had just finished
when terrific hail storm burst on us.

Left in car about 5.50 & drove onto dry road
at Dunn Cross to Ashford, passed
Ashford at 6.2 P.M. & home about 7.5 P.M.
The Tablet now lying in it 23.5 years & I in my
65th year.

23.5.48, cont. Devil's Glen, WI, cont.

Taken at 1. ^[9 labelled on 20/10/51]
18 more " 15/10/51."

Bombus & *Crabro* 200 common on alders.

Cryptus 20, probably all taken under leaves of trees with anthers.

Silphium 20, antennae at base not mtd. *Hemiteles* 20, antennae at base not mtd.

Pimpla 20, antennae at base not mtd. *H. of praecox*, 2, ant. 18.

Glypta 20, antennae at base not mtd. *Polyblastus* 20, antennae at base not mtd.

Phytodietus 1 ♂, ant. 34 =

Euclyptus of *lanceolatus*? 1 ♂, ant. 34, but hind tarsus not mtd.

Mesochorus 1 ♀, ant. 46.

Homocidus 1 ♀, ant. 46.

Promethes 20, antennae at base not mtd. *Promethes* 20, antennae at base not mtd.

Stenomacrus 20, antennae at base not mtd. *Stenomacrus* 20, antennae at base not mtd.

St. (Neurolepis) 20, antennae at base not mtd. *St. (Neurolepis)* 20, antennae at base not mtd.

Pentapleura 20, antennae at base not mtd. *Pentapleura* 20, antennae at base not mtd.

Aspilota 20, antennae at base not mtd.

Colletes 20, antennae at base not mtd. *Apanteles* 20, antennae at base not mtd.

Rhyssalus 20, antennae at base not mtd. *Rhyssalus* 20, antennae at base not mtd.

Acacia 20, antennae at base not mtd. *Acacia* 20, antennae at base not mtd.

Mesochorus 20, antennae at base not mtd. *Mesochorus* 20, antennae at base not mtd.

Opus 20, antennae at base not mtd. *Opus* 20, antennae at base not mtd.

Phaenocarpa 20, antennae at base not mtd. *Phaenocarpa* 20, antennae at base not mtd.

Diploma 1

26.5.48, cont. Lumen. Demersus. 200, cont.
Taken at 3.

Leptocryptus sp.

Pimpla sp.

Phaenocarpa sp.

Chalcid sp.

Stenobothrus

Stenobothrus

none kept

30th May 1948 E. A rotten day! Reference
arrived (after a fine night) at 10 PM rain set in
no wind went from W to SE. At 11 it continued
till 3.30 P.M. with strong wind; then changed & wind
went SW to W, with some sunny intervals &
showers. Sun fell slightly but steadily all
day.

Left home in car at 10.30 & drove to
Lindisfarn intending to work Rye Gully, etc.
but wind too strong & no shelter there so
drove on to N. side of Barton Demersus
where I sought shelter & swept roadside
& lee of demersus wall & overhanging trees,
where still dry, till 1 P.M. & then had lunch.
Returned home at 3.30 P.M.

30.5.48, cont. Rosters & overhanging trees, etc.
N. of Barton Demersus, Co. KD. 11.30 till 1.0 P.M.

Aphelopus 2 ♂♂. I think swept off leaf. [12 labelled on 6.6.1948. 144 labelled on 7.11.1951.]

[No wasps caught! 1 ♀ *Centistes* *maculatus* & no
Ves. 1. But none or taken at all.]

Cryptinids 17 of which 15 are ♂♂ & 2 ♀♀ =

Pygmaea 9, small, ant. 16.

Leptocryptus 9, ant. 36.

Pygmaea 9, ant. 30.

Pimpla *flavipes* 2, small, ant. 22. The 1st "red" taken.

Orthocentrus ? ♂, ant. 30, radius ex head 1/3 of femur length, face all yellow & 11
[No *Stenomacrus* taken!] but 1 ♂ the same. 12.11.51.

Chalcid 44 ♂♂, ant. 29(12) & 30(12) = 64 = 1/2 of 128.

Two of ♂♂ (128) ant. 30.

Polyblastus sp. 1 ♂, ant. 29, radius ex head 1/3 of femur length, face all yellow & 11

Homocidus sp. 1 ♂, ant. 29, radius ex head 1/3 of femur length, face all yellow & 11

H. longistylus ♂, ant. 29, radius ex head 1/3 of femur length, face all yellow & 11

Zygocryptus sp. 1 ♂, ant. 29, radius ex head 1/3 of femur length, face all yellow & 11

Phaenocarpa sp. 1 ♂, ant. 29, radius ex head 1/3 of femur length, face all yellow & 11

Chalcid 44 ♂♂, ant. 29(12) & 30(12) = 64 = 1/2 of 128.

Stenomacrus 1 ♂, ant. 29, radius ex head 1/3 of femur length, face all yellow & 11

Phaenocarpa sp. 1 ♂, ant. 29, radius ex head 1/3 of femur length, face all yellow & 11

Phaenocarpa sp. 1 ♂, ant. 29, radius ex head 1/3 of femur length, face all yellow & 11

Phaenocarpa sp. 1 ♂, ant. 29, radius ex head 1/3 of femur length, face all yellow & 11

The first week of June included very bad weather & especially bad as that we had experienced during the four previous years when we were on holidays (Galtier & Stedman, 1944 & 1945; Henry 1946 & Benham, Orthofer, 1947!). During the present week I am not very well & this coupled with the bad & cold weather explains the absence of notes on collecting! A.H.S. 6.6.1948.

9th June 1948. The third fine day in succession & the best for some time. Mostly sunny in forenoon, dull in afternoon, with E. wind - strong in afternoon in Glamorgan.

Drove in afternoon to Glamorgan & walked up E. side of upper reservoir (in valley) to see highest row of *Camelia* & *Camellia* (which was in full flower & a splendid sight with its very large, two-coloured, & beautifully variegated flowers). Noted that the shrub of *apocynum* & *tonetum* on left bank of R. Duddon just above 1850. *Dryopteris* had been entirely burnt in a gorse fire not long before, but not dead!

Swamp insects in two places, as follows:-

- 1 = by path from lodge to upper dam
- 2 = by path along E. side of upper reservoir & on edge of same above St. Anne's Church.

9.6.48, cont. Glamorgan, Co. DU.

Taken at 1. [19 old from 1 & those labelled 9.6.1951.]

Phygadeuon ♀ = *Phygadeuon* ~~unipuncta~~ ♀, ant. 29.

Cryptus ♂, incl. *Hebertia*, *Leptocryptus*, *Leptocryptus* ♂. (incl. *Abrochus* of *crucians* Hal. var. ♂, ant. 25, head slightly).

Promethes *expansus* 2 ♂♂, ant. 25. *Stenomacrus* *ventralis* 1 ♂, ant. 25.

Orthocentrus of *apoc* ♂, ant. 25.

Campoplegid 10 *Hebertia* ♂♂, ant. 25.

Apanteles *distans* H.F., with *distans* ♂, ant. 25, head 25, ant. 25.

Blacus *brutator* ♂, ant. 20.

Apanteles *irregularis* & *irregularis* 2 ♂♂, ant. 25.

Allysiid *leptus* ♂, ant. 42. *Stenomacrus* *ventralis* ♂, ant. 25.

Campoplex 5 = *G. asmon* ♀, ant. 15. *G. asmon* ♀, ant. 15.

G. asmon 1 ♂, ant. 15, head 15, ant. 15.

G. tubiculus sp. ♂, ant. 15, head 15, ant. 15, head 15, ant. 15.

Orthocentrus of *unipuncta* ♀, ant. 25.

Dacnusa *areolaris* ♂, *D. pubescens* ♀. *D. bellina* ♂ & ♀.

D. melanocera 1 ♀, ant. 25, but head taken about 15, ant. 15.

Coelinius in p. *Sten.* *Orthocentrus* sp. 2: ant. 25.

Proctos 6: 3 old = *Diapriids* of *expansus* ♂, *Planocryptus* *subventralis* ♂.

Blacus 10 none old.

Diapriids 2 none old.

Leptocryptus =

Leptocryptus 2 none old.

Stenomacrus 1 =

9 6 48, cont. - Glenasmole, DU, cont.

Taken at 2. [49 mounted & then labelled 9.1.1951]

Scaph. 4. *Pteronidea* bright green ♀ (insects) = *P. elongata*?

Thrinax macula ♀ (off bracken)

Salix near ♀ in same place

Tenthredo "small" ♀♀.

Grass. Fly "very abundant" - many along road, near S. Hill.

Cryptids 5 (2 mtd) = *Microcryptus* cf. *gracilis* ♀, ant. 22, below ^{ant. 22}

Microcryptus cf. *parvus* ♀, ant. 22.

Colpomeris quadripuncta ♀ *Microcryptus* ♀, ant. mtd.

Stenomacrus maculatus ♂ & ♀, ant. 22 & 24, naturally no mtd!

Proctos *latipes* & *cognatus* ♂ & ♀ = 1 ♀.

Halictus cf. ♂.

Prion *pulchra* ♂.

Apanteles 3 off *Sax* = *A. tetricus* 2 ♂♂, 1 ♀;

A. opacus sp. n. ♀, like *solutarius* but *maculatus* closely punctate, mtd!

Acrobasis *affinis* 1 ♂.

Microctonus cf. *cultus* Mord. ♀, small, testaceous, ant. 22.

Microctonus *capita* 1 ♂: not mtd.

Spin. spp. 5. = *O. ballatus*, a very nice ♀, ant. 28. *O.* cf. *stenops*, ant. 24.

O. brevitarsis sp. n. 2 ♂♂ (15 juv!), ant. 21 & 22; not *maculatus* but *stenops* closely, 2 ♀.

O. cf. *facilis* Hal. small ♀, ant. 25.

9 6 48, cont. - Glenasmole, DU, cont.

Taken at 2, cont.

Microctonus *compositus* ♂: not mtd.

Apanteles off 12 = *A. ater*, small ♀, ant. 22. *A. cf. maculatus* 2 ♂♂, ant. 22 & 24.

A. fuscicornis ♂: ant. 23. *A. fuscicornis* ♂: very dark ♂, ant. 19.

A. maculatus ♂: ant. 22, mtd. by tooth, 1 ♂: ant. 22, mtd. by tooth.

A. (Synaldis) cf. *canadensis*, small ♂, ant. 22. *A. cf. dard* ♂, ant. 22, mtd. by tooth.

Prion *arbutorum*, *longicauda* (1), *capitatus*, *pulchra* 2 ♂♂.

D. strabus 1 ♀, ant. 27. *D. latens* 1 ♀, ant. 32.

D. claus 4 ♂♂, ant. 28 & 28.

D. dirons *maior* ♀, ant. 26.

D. cf. areolaris *maior*, ant. 32.

Ephedrus *pleurostigma* ♂ & ♀ *beccabonum*, small ♀: mtd. mtd.

Prion *obtusum* ♀. *Triclistus* cf. *pallidus* ♂, ant. 11, small. *Triclistus* cf. *pallidus* ♂, ant. 11, small.

Aphidius spp. 3: only 1 mtd. = *A. piceae* ♂, small ♀, ant. 18.

Proctos 2: 1 mtd. = *Exochus* cf. *pumilus* ♂.

Chalcids 5: none mtd.

Diptera 2 = *Prion* or small yellow ♂, with very

black stigma & wings =

Chalcids 2 =

Microctonus *truncatus* =

13th Jan 1948 A very fine, hot day, after a day m34
No wind in forenoon, but increasing easterly breeze
in afternoon, mainly sunny till 4.30 PM.

From the Newcastle station on the Mersey, to
W.L., arriving about 11.20 AM, & leaving at 5.30 PM.

Collected by sweeping in three areas: —

- 1 = Along the coast between railway & sea for 1/2 mile
S. of Newcastle station.
- 2 = To marsh, W. of railway, 1/2 mile S. of road to station.
- 3 = Edge of reed bed & marsh 1/2 mile S. of station & W. of 2.

Spent some time in forenoon in marsh looking at the
Orchids *O. incarnata* (= *latifolia*!), *O. transtheensis* Bigsley
& I think hybrids — with Keith Lamb & Marcus
Graham, who were with us, & K.L. collected specimens
of both species & hybrids (?) for me to send to Kew
for Desmond Meikle & Mr. Summerhayes. —

Insects taken at 1 (or seen there). [25 mounted from 1]

Sphex latirostris ♂♂ & ♀♀ frequent 1/2 mile S. of station.

Osmia aurulenta ♀ at same place.

Pompilus cf. *albatus* seen; ♀ taken by Graham.

Sphex ♂ taken by Graham.

13.6.48, cont. The Mersey, W.L., cont.

Taken at 1, cont.

Dryinid ♂♂, 3, very small: 1 only mounted =

Johnsenia saxatilis, ♂♂: not mtd.

Cryptinids ♀ included: *Pezomachus* cf. *fulvipes* ♂♀, not mtd.

Leptocryptus ♂♀, *Pezomachus*? ♂♀, not mtd. 20.2.48

Cryptus ♂, black legs, ant. 28. *Microctonus* ♂♀, ant. 28.

Pimpla turionellae group 1 very small ♂, ant. 29.

P. brevicornis 1 very small ♂: not mtd.

Homocidus minutus 1 ♀: not mtd.

Oleniscus ♂, ant. 28 =

Euclyptus small sp. 1, black legs, ant. 31: cf. *fulvipes*?

Camptocryptids ♀, including *Crepidia* ♂♂ & ♀♀, 5; 10 only mtd. ant. 28

Theridion ♂♂ & ♀♀ common = 18, 1 ♀ mtd, ant. 22 (♂) & 13 (♀). = *Theridion minutus*!

Brachymeria anthracina ♀ (♂♂ & ♀♀) not mtd. *B. communis* ♀ not mtd.

B. areolaris ♀ ^{ant. 26} & *B. dybowskii* 1 ♂ & ♀, ant. 22.

Apanteles ♂♂ & ♀♀, *A. ruficornis* ♂♀, 2: not mtd.

Microctonus cf. *tumidulus*? ♂, ant. 30, but wings clear, not fuscous!!

Pentapleura setigera 1 ♂, 2 ♀♀, all black, ♀ has all black head!

Opius irregularis ♀ ant. 28 } *Alysia manducator* ♂♂ frequent: new mtd.

13.6.48, cont. The Marsh, W.I.

Taken at 1 cont.

Aspilota 12, 13 very small, dark legs = *A. cf. nigrescens* ♂, ant. 21.
A. cf. fumescens? minute ♀, ant. 15.

Dacnusa cyclops ♂, very small & *D. areolaris*? ♀, ant. 21.

Monobotus canini 1 ♂, ant. 21.

Bracon abjectus? 1 ♂, ant. 21.

Aphidius spp. 12 - mostly ♂♂, none kept.

Proctos 6 - none kept.

Chalcids abundant, 14 in number, none kept.

Cynipids 4 - abundant, none kept.

Syrphids none taken & given to Graham: none kept.

Beetles 4 mounted - all small to minute.

Hemiptera - *Coreus* indicated about in *Theraps*
hyemalis which I added to the list from
 the locality in 1921.

13.6.48, cont.

The Marsh, W.I., cont.
 Taken at 2. [labelled 25.10.57 37 labelled 10.11.58 = 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000]

Crabro erythronum ♂

Dysnema 2 ♂♂, 2 ♀♀ =

Cryptine 10:5 mounted = *Leptocryptus* sp. 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000]

Euclyptus sp. ♂, ant. 21.

Pimpla melanopyga ♂♂ & ♀♀ frequent: 11, 20, 44, 49, 51.

Very greatly - size 4', & the smallest with dark bands on the legs.
 Ant. 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303,

13.6.1948, cont. The Murrenough, W.I., cont.

Taken at 2, cont.

Meteorus abdominalis ♀, ant. 22.

Opius irregularis ♀: not mtd.

Phaenocarpa lineata ♂: not mtd.

Dacnusa areolaris 2 ♂♂. *D. areolaris* 1: not mtd.

D. aphanta 1 ♀: not mtd. *D. (G.) affinis* ♀: not mtd.

D. (G.) uliginosa 2 ♂♂. *D. (G.) areolaris* 1 ♂, ant. 34.

[*G. nigriventris* ♂ with old head legs, ♂: taken by Graham, probably here or at 3!]

Aphidid. sp. 1 very small ♀, only.

Proct. Taken up? 1

Chalcids 6

Cynipid 2

Beetles. *Phytomyza varians* very common: 1 mtd. & 3 others =

Phytomyza profundicollis Put. fide H.H. Dalling.

Samplings given to Graham

Dipteron =

Green Hunted Butterfly on birch - none.

[*Mamestra stultaria* (1) & *Plutella gamma* (1) seen along railway at 1]

13.6.48, cont. The Murrenough, W.I., cont.

Taken at 3, i.e. on edge of road bed! [17 mounted & then labelled on 20.11.1951.]

Anthracus leucopyga 1 ♂: not mtd. 1 ♂: large ♀, ant. 23.

= *A. elegans* Grav. (fide Kennedy) & 3 other Cryptinids.

Leptocryptus ♂: ant. 27. *Leptocryptus* ♂: ant. 23.

Hemiteles ♂: ant. 30.

Pimpla melanopyga 1 ♂: small mtd ♂, ant. 25.

Zootaphus cf. *insignis* ♂, nearly all red abdomen, mtd with legs, ant. 20.

Meloboris? ♂: large, ant. 36.

Angitia? ♀: ant. 20.

Pezomachus cf. *unimaculatus* ♂, ant. 42.

Apanteles peripartus 4 (1 ♂, 3 ♀♀).

A. cf. pallidus? 1 ♂.

Acrotia subopacata 1 ♂.

Proct. 1 =

Chalcids 3: not mtd.

Cynipid 1: not mtd.

Dipteron =

13.6.48. Taken by Eugene O'Mahony on the North Bull, Dublin, on *Lotus corniculatus*.

Meteorus scutellatus ♀, ant. 31.

16th June 1948 After several fine days & a beautiful forenoon, rain started at 3.30 just as we reached Lucan demesne & continued till late evening, the together with a drop in temperature made collecting hopeless. Nevertheless, I & Marcus Graham collected what we could by sweeping (at first) beneath some of the large trees & (later) with rakes from the under side of leaves of trees (chiefly), birch, etc. Many specimens of the *Stethomyia* fly *Boreo chalybeata* were glued to under side of leaves of the pines.

Lucan demesne, Co. DU. [Examined & then labelled on 20.11.1951]

- Stethomya* *gajensis*? ♂, not add.
- O. thoracicus* sp. ♂, ant. 27 of *ventralis*.
- Adelognathus* *parvulus* Don ♀, ant. 14. N.W.S. 20.11.1951.
- Halictus* *exilis*? ♀, small; ant. 21.
- Opis* of *tristis* var. ♂, ant. 27.
- Phaenocarpa* *infrapallens* ♂, not add.
- Campoplex* *quercus*? ♀, ant. 12.
- G. maculipes* ♀ taken by Graham.
- Dacnusa* *areolaris*, *pubescens*, *areolaris* 19 each none mounted.

DISSOLVED

16th June 1948 After several fine days & a beautiful forenoon, rain started at 3.30 just as we reached Lucan demesne & continued till late evening, the together with a drop in temperature made collecting hopeless. Nevertheless, I & Marcus Graham collected what we could by sweeping (at first) beneath some of the large trees & (later) with rakes from the under side of leaves of trees (chiefly), birch, etc. Many specimens of the *Stethomyia* fly *Boreo chalybeata* were glued to under side of leaves of the pines.

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Halictus *exilis*? ♀, small; ant. 21.

Opis of *tristis* var. ♂, ant. 27.

Phaenocarpa *infrapallens* ♂, not add.

Campoplex *quercus*? ♀, ant. 12.

G. maculipes ♀ taken by Graham.

Dacnusa *areolaris*, *pubescens*, *areolaris* 19 each none mounted.

24 Lincoln Avenue
Takoma Park 12, Maryland
April 11, 1945

Mr. A. W. Stelfox
National Museum of Ireland
Kildare Street
Dublin, Eire

Dear Mr. Stelfox:

Undetermined unmounted Irish ichneumonids would interest me very much. I have relatively few European specimens, so that many of the species that you consider very common would be new to me. I have some opportunity to name for myself what you might send as in Washington one has access to all of the literature on the family and the European material in the United States National Museum. Even where I can't get specific names, the material will be useful in the study of genera and to compare with Nearctic species. Anything you could send would be welcome.

I can send any of the Holarctic species on my exchange list. Incidentally, would you like a male of Diplazon laetatorius? I have several. The genotype species of many of the Holarctic genera and their synonyms are Nearctic. A collection of these would be of value to any study of the European species. Could I send you some genotypes?

I have read Perkins' papers with great interest. He has been making some very good contributions to the literature on ichneumonids. I hope that nothing stops his progress.

Sincerely yours,

Henry Townes
Henry Townes

In Stelfox
Thanks for

Empusa muscal F. Cohn

on Bemis ^{tarsata} chalybeata :

Carton

30.5.1948.

P. H. H. H.
3/6/48.



JAMES STELFOX,
ENGINEER & MANAGER.

CORPORATION GAS WORKS,

ORMEAU ROAD, BELFAST.

Comp. with

H. alpinum 7-7-48

Calluna
E. tetralix
J. acutiflora
Taraxacum
L. Gallicum
L. perenne
L. pulchellum
D. ovata
R. L. L. L.
S. L. L. L.
T. L. L. L.
B. L. L. L.
H. L. L. L.
E. L. L. L.
M. L. L. L.
C. L. L. L.
H. L. L. L.
L. L. L. L.
E. L. L. L.
A. L. L. L.
C. L. L. L.

NO W PRODUCED IN BRITAIN

Antiogen

DISSOLVED

HOME FOR YOU

CHILDREN

BELFAST'S FIRST

IX

REMO

MR

OUR FUTURE IN
OWN HANDS

LONDON LETTER

WATCH ON COMMUNISTS

85, FLEET STREET, LONDON, E.C.4, Monday Night.

AS DEPEND ON PRODUCTION

president's address to
tional Un of Miner
at Portl sterda

ACTIVITIES of Communist

receiving

ser
Athlee's

...k-end
...ent

that Major Sinclair heard from Sir Stafford an account of Britain's dollar problem on which the Chancellor is to make a statement in the House on Wednesday. It is a serious and still deteriorating position that will be revealed. Stafford is likely to repeat

burden of his grim story.

from the genus

des Unions

16th June 1948 After several fine days & a beautiful forenoon, rain started at 3.30 just as we reached Lucan & continued till late evening, the together with a drop in temperature made collecting difficult. However, I & Marcus Graham collected what we could by sweeping (at first) beneath some of the large trees & (later) with rakes from the under side of leaves of trees (chiefly), beech, etc. Many specimens of the *Stethomyia* fly *Boreo chalybeata* were found to under side of leaves of the fungus.

Lucan demersa, G. DU. [examined & then labelled on 20.11.1948]

Stethomya *pyralis*? or not at all.

Orthocentrus sp. or not 27 of 27.

Andelopus *thor* *parvipes* *Don* & *under* leaf of beech. est. 14. 11.11.1948

Helicoverpa *semita*? or not at all.

Opis of *taetia* var. or not 27.

Phaenocarpa *supra* 109, not at all.

Aspilota *pusilla* ♀, not 12.

[A *manipula* ♀ taken by Graham]

Dacnusa *exilis*, *pubescens*, *areolaris* 19 each

None mounted!

16.6.1948, cont. Lucan, DU, cont.

Apanteles spp. none at all.

Microctonus *sericeus*? or not at all.

Chalcids & *Cynipids* abundant. No *Proctos* taken!

Diptera 1 =

Hemiptera 1 =

20th June 1948. A fine day, with gentle NW. breeze, but entirely dull & heavy rain following at night. Many insects out & about.

Drove (alone) with Marcus Graham to Kippure House gate, Upper Liffey valley, Co. WI, & collected between road & R. Liffey just W. of tributary stream from 11.30 till 4 PM. Then came back to Athdown & collected for an hour (after tea) on slope from the door to footpath & noted a third patch of *Andelopus* *thor* on left side of path down field from road to footpath.

Swept in two areas at Kippure Hse. & one at Athdown, as follows: —

Crabus varius (2) + *C. styrius* (14) taken by G.

Bombus zosteratus ♀ & lucorum ♀♀ near

Leptothorax acronotus, *Myrica repens*

2 Formica fusca ♀♀ ant.

Sapphia - Heptanema californicum v

Terellina acuta 1844, Perryman & Battista.

Pristiphora dimidiata? ♀ of dark var.

Long-pointed L. and 36 =

20.6.48, cont. Kippure Ho, W.I., cont.

Taken at 1, cont.

Colletes brevicornis 10♂, 1♀; not mtd.

Eristalis trichatus 10♂, 1♀; = *pubescens* Thoms. (4♂♂ taken
near Kippure
20.6.48)

Microgaster cf. *globatus* ♂.

Aspilota ♂ (14 sp.). only 2 mounted =

A. ruficornis ♂

A. decorus Hal. ♀

Microctonus cf. *exultans* ♂ (♀ taken by M.G.), not mtd.

Euphorus longicornis (2♂♂), not mtd.

Blacus pegasus ? ♂ (♀ longicornis taken by M.G.); not mtd.

Diapriid sp. 2♂♂, 1♀; frequent; none mtd.

Macromeris sp. ♂, not mtd.

Eulophus cf. *extremus* 2♂♂; not mtd.

Picrostus piceus 10♂, 1♀; not kept.

P. mesasiaticus Hal. ♀, not kept.

Gnamptodromus pumilio ♀; not kept.

Opius communis 2 small ♀♀, not mtd.

Aspilota cf. *unipuncta* ♂, not mtd. (1♀ mtd. 18.7.48)

A. cf. *near fuscicornis* ♀, but antennal segments more elongate, 18.7.48.

A. (Synaldis) parvicornis ? ♂, not kept.

Lasius aphidivorus, very small, dusky legs, 7 (3♂♂ + 4♀♀); none mtd.

L. adductus 1 large ♀, not mtd.

20.6.48, cont. Kippure Ho, W.I., cont.

Taken at 1, cont.

Lasius strabus 10♂, not mtd.

L. tenebrarius 10♂, not mtd.

Praon volucre 12 ? small ? not mtd.

Trioxys piceicornis 1♂, 1♀, 2♂♂, not mtd. (1♂ mtd. 18.7.48) (1♂ mtd. 18.7.48)

Aphidius ♂; not mtd.

Praon 3; not mtd.

Chalcids 6, including *Halticoptera* sp. with large orange pedicels; none mtd.

Cynipids 2; not mtd.

Colletes 1; not mtd.

Taken at 2, [1♂ mtd. 25.10.48. 73 mtd. 28.10.48]

Epitomus piceus 10♂, 1♀; not mtd. *Andrena tarsata* ♀, not mtd.

Cratichneumon ruficornis ? 10♂, 1♀; not mtd.

Cryptinid 15: 2 mtd. = *Hemiteles* sp. ♂, not mtd. (1♂ mtd. 18.7.48)

Chalcid sp. ♀, not mtd.

Pimpla tumidula group 2♂♂, 1 small ♀; 1♂ only mtd. =

P. flavicornis ? 1 large ♂, not mtd.

20.6.48, cont. Kippure Ho., W.I., cont.

Taken at 2, cont.

Aspilota spp. 41, mainly under trees on left bank of L.

tribulans 36 mtd. on follow-up - *A. (tribulans) melleipes* Hal. ♂♂ (20.6.48) }
20.6.48

A. tribulans 1 mtd. ♂, ant. 18. *A. sp. ?* near *tribulans*, but 17 seg. ant. & no st. seg., ♂, ant. 20.

A. sp. ? mtd. ♂, apparently *tribulans*, ant. 21, but 'pseudopod' - *A. sp. ?* *tribulans* ♂, ant. 19, thick ^{membrane!}

A. nigrescens ♂, ant. 21. *A. nigriventris* ? ♂, ant. 20.

A. sp. ? *fuscicornis* 20 ♂ (ant. 22 & 24) & 2 ♀♀ (ant. 17 & 19). *A. sp. ?* mtd. ♂, ant. 19, seg. ant.

A. crassifemur 20 ♂ (ant. 25 & 23 + broken), 3 ♀♀ (ant. 23, 24, 25 & 26, 1 small).

A. sp. ? near *fuscicornis*, but longer ant. 2 ♀♀ (ant. 20 & 17+). *A. sp. ?* small *atra* (20.6.48, ant. 20 & 27) 2 ♀♀ mtd. 22-ant.

A. sp. ? (20.6.48, close) 1 ♂ (ant. 22), 4 ♀♀ (ant. 12, 15, 18 & 17).

A. (Synaldis) sp. ? *concolor* 2 ♀♀ (ant. 16 & broken). *A. (S.)* ♂, ant. 18, legs 2 mtd.

A. (S.) ♂, ant. 18, legs 2 mtd. 1 + 2 red, legs 2 mtd, ant. 20, seg. + longer than small ♂, no dimple!

Dacnusa areolaris (1 ♂, small), *melleipes* (1 ♀), *dentata*,
cylindrica, *clavicornis*, *pubescens* (1 ♀, small), *adducta* (1 ♀)

all examined but none kept. *D. confinis* Rthls. ♀, ant. 22.

D. strigatula 20 ♂ (ant. 22 & 24), 1 ♀ (ant. 17). *D. melanocera* ♀, ant. 24.

D. postica ♀, ant. 30, mtd. ant. back.

D. terminis Nixon 4 ♂, ant. 31 & 32.

D. eros Nixon ? 1 ♂, ant. 36.

D. afflicta ? ♂, ant. 30.

D. morella ♂, ant. 39.

D. (Gyrocampa) albivora ♀, ant. 26.

20.6.48, cont. Kippure Ho., W.I., cont.

Taken at 2, cont.

Proctos. abjecta ? 1, ant. mtd.

Monobotus curvica ♂, ant. mtd.

Trioxys fuscicornis m. ♂, ant. 14, same dark, head transverse, ^{thorax not} ^{var. of pallidus!}

Aphidius ♀, small ♀.

[*Aphidius curvica* ♂, rare, *Rhagoletis* *aphidius* extraordinary abundant everywhere!]

Proctos. about 20, 3 mtd. =

Chalcids 15, none mtd.

Euclyptus 8, none mtd.

Diptera 2, 1 mtd.

Beetles 1 ♂ 2 beetles mtd. =

20-6-1948 All down, Co. WI.

Taken at 3. 4.30-5.30 P.M. [16 minutes from 2.15 till 2.31]

- Brachymeria rufipes* ? 1
- Cryptus* 5, including *Herichthys* ? 1, not mtd., 2
- Leptocryptus* sp. ♀, ant. 22. *C. albipes* ♀, ant. 25.
- Phygadeuonid* ? ♂, ant. 22 =
- Pimpla* (*Stenoplistus*) *violatorum* ♀, not mtd.
- Proctos* *fulvipes* ♀, not mtd.
- Microgaster pallipes* ♂, not mtd.
- H. flavolineatus* 1 large ♂, ant. 26.
- Campoplex* sp. 7: none mtd.

Meteorus ♂: not mtd.

Aphidius sp. ♂

- Euclyptus stratus* with ♂ = *E. pubescens* Thoms. fide MURRAY Graham, 1951.
- Aphidius fulvipes* group 1: not mtd.
- Pezomachus circumscriptus* ? ♀, ant. 37, red femora, femora not containing hyle.
- Chalcid* *extensor* ♂: not mtd.
- Dacnusa areolaris* ♂: common on Mt. Ash: none mtd.
- Opius* 3 = *O. cf. communis* with ? 1 ♂, ant. 22 & 24, also a minute ♀ (?) with 22-seg antennae, like this or *O. communis* as hind tibiae & tarsi darkened at apex.

20-6-48, cont. All down, WI, cont.

Taken at 3, cont.

- Aphidius* 2: *A. rufipes* 2, 1 ♂, 1 ♀, not mtd.
- A. cf. rufipes* 1 ♂, ant. 20, legs 22-seg, with 22-seg, this
- Brachymeria rufipes* 1 ♂, ant. 22, legs 22-seg, with 22-seg, this
- Dacnusa* 1 ♂, ant. 24.
- D. cf. rufipes* 1 ♂, ant. 25.
- D. cf. rufipes* 1 ♂, ant. 25.
- D. cf. rufipes* 1 ♂, ant. 25.
- Proctos* 2.
- Chalcids* 3. } none mtd.
- Cryptus* 2.
- Saundersia* 2: only mtd.
- Phaenocarpa melanocarpa* ♀ on Mt. Ash.

Lets. bred from aphid's egg bags collected in cat house by Mrs Zoe Hall of Newport Hc., Downshire, Co. DU. & brought to me (i.e. the egg-bags!) early in June 1948. *Gelis* 1 ♂ emerged on 15th & another ♂ on 20th June 1948.

24th June 1946. A fine day after mild rain and
 in morning & after a fine day on 23rd. Warmer
 than recently with very soft air, and hot
 sun in forenoon, cloudy with increasing
 breeze in afternoon; wind W in Dublin, but
 SE at Brittas Bay & along coast.

Drove to Magherabeg, with Marcus Graham
 & J. P. Brunker, leaving home at 10.50
 reaching Magherabeg at 11.30. Spent an
 hour & a half collecting around lagoon
 & in dunes, while Brunker searched
 for & refound his *Carex semicarpa* & *Liriodendron*
 which he took here in 1945, but which
 we failed to find in July 1946.

At 1 P.M. drove on to Ardara &
 Bucknong, S of Mizen Head & found
 the new concrete road along coast
 finished, then re-opening the coast
 road to Arklow, blocked by
 blowing sand about 100-120 years
 ago. Spent afternoon there collecting
 at SE corner of Bucknong marsh &
 in dunes.

24. 6 48, cont. Magherabeg, S. Co. WI.

1 = Edge of lagoon & dunes at Magherabeg

2 = Edge of marsh, reed-beds, etc. at SE.
 of Bucknong Marsh, S. of Ardara

3 = Sand-dunes & edge of lagoon -
 dunes, S. of Mizen Head = Bucknong Dunes,
 side of P. Brunker.

Magherabeg, Co. WI.
 = 1 *Colletes piceipes*, *Pompilus plumbeus*

Cenopoda maculata & *Crabro* *remota* in dunes

Bombus agrorum a fedd ♀ on dunes, working hard!
 the second I have ever seen in Wicklow

Centistes ? ♂: not old.

Cryptus about 20: 5 old. = *Cratichneumon* off P. 20212

Phygadeuon ♂: not old. 2 the ♀ with two areolae on left wing, then

Phygadeuon ♂: not old.

Bombus lucorum ♂: not old

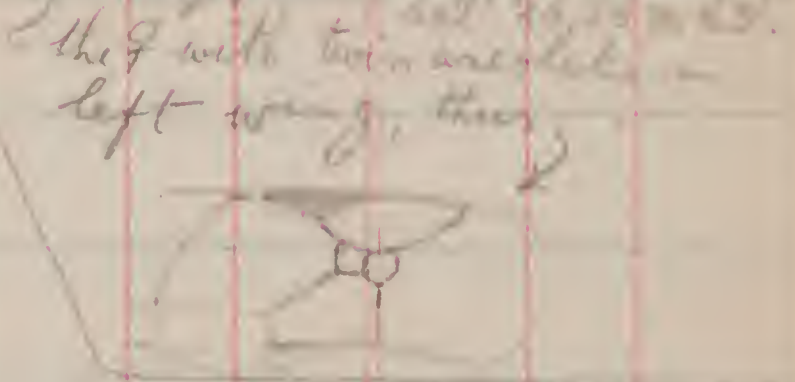
Promethes dorsalis ♂: not old

Campoplegid 2 ♂ or 1 ♂ old. = *Euclyptus* / *ischinogaster* Thoms.
 ♂, ant. 28.

Bracon fulvipes 2 ♂♂: not old

Perilissus ♂: not old.

[2 labelled June 1946 -
 the remaining
 [2] mounted from 1 & 2
 labelled on 6.12.1951.]



24.6.48, cont. - Matherbury, WI, cont.

Taken at 1, cont.

Opius spectus Hal. ♀, large, ant. 31 - very near *O. communis*!
O. sp. small: not mtd. ^{type: *tabellatus* p. 948}

Phaenocarpa truncata G. 11 ♂♂, 1 ♀, mostly if not all in one sweep off *Salsola vermiculata* at SE. end of the lagoon. Described in C. 4 m.

Dacnusa scabriformis (♀), ant. 25: very near *apicicornis*!

D. areolaris 3 ♂♂: 1 ♂ mtd, large, ant. 33.

D. affinis 4 ♀♀, ant. 33, 33, 24 & 24; one with longer ant. legs than the 2 & 23 with rather long legs, but 2 that all ^{the} legs ^{are} ^{of} ^{the} ^{same} ^{length}.

D. elegantula 1 ♀, ant. 27. *D. nigricornis* ♂, ant. 26.

D. areolaris - *areolaris*! ♂, ant. 23.

Coelinius viduus 3 ♂♂, one seemingly with short wings mtd.

Yes, wings rather small but not completely so! Ant. 47. A.H.S. 1950.

Tetraneura minutum Hal. ♀, ant. 11 (10 + 1 dead mtd?)

Aphidius of 2 small ♂♂: none mtd.

Pentapleura 3: 1 mtd.

Chalcids 8: none mtd.

Two *Chalcids* = *Chalcids*

Therophya hyemalis 2 *Chalcids*

abundant.

24.6.48, cont. - Bucknary Marsh, Co. WI.

Taken at 2, i.e. eastern S.E. corner of marsh. ^(see p. 948 & 949 of 1950)

Coelinius 2 ♂♂

Stenobothrus ♂ (♀ taken by Graham?)

Cryptus 18.

Glypta monorum ♀

Bassus lactatorius 2 ♀♀

Zenobius *infernus* ? 2.

Promethes *inductor* 2 ♂♂.

Meloboris 2 off. 3 ♂♂, 1 ♀.

Bracon fulvipes 7 (2 ♂♂): not mtd.

B. areolaris like ♀, ant. 28. ♂♂ of *signatus* m. ♂, ant. 31.

Apanteles fulvipes group 3: *Rogas punctipes* } Taken by Graham

A. sp. solitarius ? 2 ♀♀: both mtd. *R. sp.* ♀

Microgaster of *globatus* 2 ♂♂, 1 ♀: 1 ♂, 1 ♀ mtd.

Opius irregularis & *caesus* 1 each: neither mtd.

O. punctulatus 1 ♂ ant. 20. *O. politus* ♂ ♀, ant. 26.

Dacnusa areolaris ♂♂ & ♀♀: none mtd.

D. affinis 2 very short ♀♀, ant. broken. *D. siniffa* ♂, ant. 47.

D. areolaris 1 ♂, ant. 25. *D. nigricornis* ♂, ant. 23.

D. cf. trichopygus m. 1 ♀, ant. 27, but this rather than *polita* group!

24.6.48, cont. Bushy, down, 4, W.I., cont.

Taken at 3, cont.

Aspilota conspurcator ♀, very nice, [not taken by Graham at 2] ^{Not seen when collecting}

Exochus angulatus 2, not mtd.

D. areolaris, the small sandhill from 10, mtd, 1♀, none mtd.

Coelinius viduus frequent, 1♂, not taken; none mtd.

Triclistus cf. *areolaris* ♀, ant. 14/12.

Aphidius ruscicorae ♀, ant. 16 = *cinereus* Hal.

Proctos 10: none mtd.

Chalcids, isolated 1♀, 1♂, 1♀, none mtd.

Cynipid 12 not mtd.

Hymenoptera 3 =

Beetles *Hexagonia* cf. *linearis* 2 (= *simplex*). ^{taken & adults.}

Hemiptera *Therapsa* cf. *longipes* common; *Stenopeltus* *agilis* + *satulorum*, 1♂, very abundant.

24.6.48. Taken by A.H.S. in back garden, 14 Clareville Rd. Harold's Cross, Dublin.

Panurginus cf. *longipes* ♂, ant. 14/12.

Campoplex ♀, large sp.; black & orange abdomen ant. 34.

27th June 1948. A fine morning with strong W. wind; in heavy & prolonged showers accompanied by almost a gale as each shower came on; much colder than earlier in week. Had R.C. Farin (Cavan) & M.W.R. de G. with me all day (10.30 AM - 9.30 PM) talking mainly about *Aspilota*, in which group Farin is doing considerable work in Cavan - particularly breeding work. Spent forenoon discussing & looking at *Aspilota*, 1♂, but after lunch I drove the party to R. Liffey, S. of Oshinstown Ho., Sallins, Co. KD. to show Farin that P.D. Mickle thinks is *Salix nigrescens* & hybrids between that & other species. Also showed him Mickle's station for *Epineura* *variegata* at some places & kept a few insects there at same time.

Later drove on through Leary's to Lendinstown but too wet to do any collecting & left a few insects at home, arriving back about 6.15.

Insects collected = willow - alder scrub on

W. bank of R. Liffey, S. of Oshinstown, Co. KD. 3.0 - 4.0 PM.

Odynerus *sinuatus* 1 taken & 1♂, picture of seen on road.
Crabro *laevigatus* 1 taken & 1♂, *abundant* & seen.

(*notomacrus*)

Adelognathus *thomsoni* 1♀, ant. 15. ^{seen 5 feet above ground 11.12.48}

Microctonus sp. 1♀, ant. 32.

27.6.48, cont. Near Osterstown, Co. KD, cont.

Syrphoctonus zonatus Trich. or 2 other *Comp. pterigites* - 2 only, not =
AWS 1952.

Angitia sp. ♂, small, ant. 25.

Sp. at sp.? ♀, ant. 31, propodeum irregular, with not areolate!

Apanteles xanthostomus ♀

Aspilota fuscicornis? ♂ large, *A. fuscicornis*? ♀, small & pale,
ant. 24.

Dacnusa longiradiata ♂, ant. 24.

D. maculipes ♀, not mtd.

D. bellina ♀, ant. 25.

D. bellina var.? ♀, ant. only 22, antennae not yellow at base
& claspers not yellow = *umbrellaria* *nitida*; see Nixon 1937, p. 56!

D. leucula Hal. 1 ♀, ant. 24.

Coelinius rufipes ♂, very small, all red femora, not mtd.
(= ? *strobiliformis* Nixon.)

Cephus sp. ♂, not mtd.

Dipteron 1 = *Sargus* sp.

Mesochorus tardus taken
in Killarney, from car.
originally from Boreasound
Co. WI. 2 days before.
AWS 27.6.48.

Owing to bad weather, etc., I did no collecting till
well into July!

On 4 July 1948 in garden downy mildew on nasturtium
♂♂ of *Hemiteles nigritarsis* at Lifford, etc., & some
♀ *Polysphincta tuberosa* taken with me.

14 July 1948. Some specimens of *Sp. at sp.* taken by E. O'Malley
in Killarney near Boreasound, at 2 miles, 1 mile from 91.4.

8th July 1948. A cold windy day, with light rainbursts;
wind northerly & strong; after several dull days with
some drizzle. Not an insect day, & few small
hemiptera obtained. Thursday.

In afternoon drove to Lifford (Lifford Bridge) &
arrived there 3.30 P.M., swept till 5 P.M. by
the Rye Water (right bank) & a slope above same,
but very draughty & little out. No sign of
Coelinius rufipes *nitida*, but many of which taken
here on 5.7.1948. Had sup. afternoon tea at
5 P.M. & then drove on to Lifford = ^{Swan Fork} 1 mile W. of

Lifford Bridge, & swept to park, & Lifford
Lock & Liffordstown House & also plantation
by canal, but very little out except flies
in spite of shelter & hot sun. Saw only two
cloggers all afternoon, though this should be
the height of their season. Left for home
about 6.15 & reached home 6.50.

1 = By the Rye Water, KD

2 = W. of Lifford Bridge, Royal Canal, KD.

8748, cont. Rye Water, Co. KD.

Taken at 1. [from labelled 12.10.1951. 35 specimens from labelled 12.10.1951.]

Brachymeria sublegans ♀, ant. 34, 49 years well with ♂ type from

Rogas heterostigma ♂, ant. 63, 19 years old, 1st inst. from

Apanteles callidus ♂, ant. 30, 19 years old, 1st inst. from

Chelonus abrupes Thoms. ♂, ant. 39, 19 years old, 1st inst. from

Paratetraneura sp. ♂, small, ant. 23.

Opius cf. laetitia ♂, ant. 26.

Phaenocarpa piceicornis ♂, ant. 27, 19 years old, 1st inst. from

Dacnusa cf. areolaris Mason, ant. 26.

D. cf. sp. near areolaris ? ♀, long terebra, ant. 24, 1st inst. from

D. obscura ♂, ant. 27. *D. (Gyrocampa) ruficornis* ♂, ant. 27.

D. (Gyrocampa) piceicornis ♂, ant. 27, 19 years old, 1st inst. from

Coelinius discoloripes m. ♂, ant. 43.

Aphidius small ♂ & ♀ = *A. cf. chrysanthemi* Muls. ? ant. ♂, 17, ♀, 14.

Antennae distinctly thickened - clavate - towards apex in ♀.

Dicks.

Cryptinids 6 (all mtd.) = *Stenobothrus* ♂, ant. 27, 19 years old, 1st inst. from

Stenobothrus sp. ♂, ant. 27, 19 years old, 1st inst. from

Phygadeuon ♂, ant. 21, 19 years old, 1st inst. from

Gyrocampa macrostylis ♀, ant. 24.

The presentation will take place at the Annual Dinner in the Clockroom on Saturday 17th January, 1953, and it is the wish of your committee that all who can will be present on this occasion.

Subscriptions (maximum five shillings) should be sent to me at the above address, to the undermentioned or to any member of the committee.

This is the only circular which will be sent to you concerning the presentation - there will be NO reminder - so will you please give the matter your immediate attention and so help to make the fund really worthy of the occasion.

Yours sincerely,

Cecil G. Morton.

Subscriptions may be sent to me, to any member of the committee OR TO:-

W. G. Booker, Esq.,
6 Gledswood Close,
Roebuck Road,
Clonskeagh,
Co. Dublin.

or

P. R. Walker, Esq.,
"Ishgeen",
Brennanstown Road,
Cabinteely,
Co. Dublin.

14th October 49

Cliff House,
Killiney,
Co. Dublin.

Dear Mr. Stelfox

I thank you so much for your
long & very interesting letter - You should
not have troubled to return the tin box -
It was good of you to write so fully about
the ichneumon - I'm afraid none of those
I caught were new to you!!

I am very glad indeed to know what you
tell me about them, as I am I fear quite
ignorant on the subject.

I hope the books that you are writing
will be a great success which I am sure
they will.

Yours sincerely

A. Raskley

8.7.48, cont. Rye Water, Co. KD.
 Taken at 1. [1 from 1 labelled 25.10.1952. 35 specimens from 1 labelled Dec. 1952.]

- Bracon sublegans* ♀, ant. 34, 29 segs. with 1st & 2nd segs. from
Rogas heterostigma ♂, ant. 62, 4th seg. not 5th seg. from
Apanteles callidus ♂, Co. of infirmity 2 ♂♂ 2 mtd.
Chelonus abrupes Nixon ♂, ant. 19, black, very small! File M.H. 1952.
Perilitus sp. 1 ♂, small, ant. 23.
Opus of lectus ♂, ant. 26.
Phaenocarpa piceicornis ♂, ant. 27, 1st seg. not mtd.
Dacnusa of asmanus Nixon, ant. 26.
D. cf. sp. near crassipes? ♀, long tibiae, ant. 24, 1st seg. from
D. obscura ♂, ant. 22. *D. (Pygmaea) rufipes* ♂, ant. 22.
D. (Pygmaea) ♂, ant. 22, small ♂ (1), with pale brown legs &
 a description with considerable hair coat in front - almost like a *concolor*
 but between *Pygmaea* & the *aphidius* group; ant. 22.
Coelinius dimidiatus m. ♂, ant. 43;
Aphidius small ♂ & ♀ = *A. cf. chrysanthemi* Nixon? ant. ♂, 17, ♀, 17.
 Antennae distinctly thickened - clavate - broad apex in ♀.

Dichs.

- Cryptinids* 6 (all mtd.) = *Hebichus* ♂, ant. 24, 1st seg. not mtd.
Hebichus sp. ♂, ant. 22, 1st seg. not mtd. 1st seg. not mtd.
Phygadeuon sp. ♂, ant. 21, 1st seg. not mtd. 1st seg. not mtd.
Gnomus macrodactylus ♀, ant. 42.

8.7.48, cont. Rye Water, KD., cont.
 Taken at 1, cont.

- Sagittaria annulata* ♀, ant. 27.
Chelonus sp. ♀, ant. 32, 1st seg. not mtd.
 Campoplex ♂, ant. 26, 1st seg. not mtd. =
Proctos - 32 ♂ mtd. =

- Chelonus* 3? 1st seg. not mtd.
Cynipids 2.

- Diptera* 6: 5 mtd. = *Hamphreysia*
Caryocera pumila ♀, *C. pygmaea* ♂ & ♀.
remota sp. ♂, small.
 Sawfly: - *Selandria flavens* ♀.

Taken at 2. Royal Canal, Co. KD.
 [25 mtd. from 2 & 3 thus labelled Dec. 1952.]

- Epitomus pygmaea* ♂, not mtd.
Cryptinids 9: 2 only mtd. =
Leptocryptus ♂, ant. 22.
Epitomus sp. ♂, ant. 20.
Homocidus subopacus, var. ♂, ant. 27. *H. cf. bicolor* ♀, ant. 20.
Mesochorus sp. ♂, ant. 35.
Stenomacrus confusus Nixon ♀, ant. 19.
Canis sp. ♂ & ♀, ant. 20 & 19 respectively.

8.7.48, cont. Royal Canal, Co. KD., cont.

Taken at 2, cont.

Bracon ruficornis ♂ (or *exilis*?) small, ant. 31.

Colletes braconius 6♂♂ (all very small!) + 1♀.

Apanteles lateralis ♂: not mtd.

Microgaster clavicornis ♀, long terebra, ant. 3 {with disjunctal
mark well developed
as in *Exochus*!

Euphorus fraterculus Thoms. 10♂♂, 1♀, ant. 33+33.

Sigalphus pallipes 2♀♀, also 1♂? the 1st specimen {ant. 18, 19
♂, ant. 20.
♀, ant. 23.

Opius circulator ♀: not mtd.

Alloea contracta ♀, fully reared: not mtd.

Pentapleura pumilio ♂: not mtd.

Aspilota daeana, 3 ♂♂, ♀, ant. 18, mounted on its back!

A. fuscicornis ♂, ant. 23, propodeum very rusted, 3 small.

Phaenocarpa ruficeps 1♀, ant. 25, all on its back.

D. cf. *brevi*? small ♂, ant. 32.

D. confinis Ruthe ♀, ant. 23.

D. praeterea 1♂, which usually occurs in plantation:

Ephedrus plagiator ♂: not mtd.

Praon volucre ♀ + ?♂: neither mtd.

Aphidius spp. 2♂♂, 1♀: last only mtd. = *A. cf. ruficornis* ♂, ant. 18.

Bracon 2: 1 mtd. =

8.7.48, cont. Royal Canal, KD., cont.

Taken at 3, cont.

Chalcids 9: none mtd.

Saigya *Portia* ? ♀.

Diptera 4: 2 mtd. = *Eurythoe* sp.

Bee 1 = *Ochira plicata* ♂, H. W. Dalling.

10th July 1948. ^{Back} Lifford, 14 Glenville Rd., Harold's Cross, DU.,
at 1.40 midday very many *Homocidus* flying in hot sun &
one red one caught by hand flying round *Colletes* back
proved to be a ♂ *Homocidus elegans*, very large & with
curious, almost black face markings, that on left not
matching that on right. ♂♂ of *H. signatus* also
flying round back (mostly by 11 pm) & one caught in hand
& examined.

Sunday 11th July 1948. After a wet night & drizzle
forenoon, very windy & dull & chilly in afternoon.
Did not go out anywhere.

14th July 1948. A fine, chilly, dull day, after several
dull days with chilly NW. wind & some drizzle.

In afternoon drove to Brittas & then home by
Ballynacorney Gap: stopped 1 mile E. of Brittas, to
look up *Viola* later in preparation for visit
from Edmund Neble on following Tuesday, 20th
& found it in plenty on moorland N. of the road & mill
race to the Brittas Ponds.

Also stopped at plantation (mainly Scots Pine)
on roadside above Ballynacorney House &
sifted under trees for about 100 minutes: grass
very wet in open glades & no sweeping, rather
difficult: nevertheless small Hymenoptera very
abundant & a mackerel soon filled. The following
insects taken here: — [65 mtd. & then labelled Dec. 1952.]

Plantation at Ballynacorney House, Co. DU

alt. just 1,000 feet.

Pamphilius rufus swept off old birch in
open glade in centre of plantation.

Pachyneuratus obductus ♀

Eptamerus pygmaeus 2: not mtd.

14.7.48, cont. Ballynacorney, Co. DU, cont.

Cryptine 18 mostly *Hemiteles*, *Pezomachus* or *Phygadeuon*
stigmaeus ♂, ant. 22. *Phygadeuon* ♂, ant. 19.
Phygadeuon ♂, ant. 19.

Phygadeuon ♂, ant. 19, white, not mtd.

Lissonota bellator 1, light coloured ♂, mtd. on small
plants in the hills at the house, ant. 20.

Stenomacrus curvica 2 ♀♀, not mtd. *St. maculata* ♂, ant. 27. (with small
abdominal segments)

Tryphon signatus 1 ♀, not mtd.

Phaenocarpa fuscicornis ♂, ant. 24.

Stenomacrus sp. ♂, ant. 22.

Polyblastus ? sp. ♀, ant. 20, dark femora.

Microctonus sp. ♂, small. *M.* sp. 1 ♀, large, ant. 29.

Syrphoctonus armatus ♀, var. *maculata* (red hind femora, black at
base: ant. 21).

Pezomachus obscurator ? 1 tiny ♂, ant. 19, sp. not mtd.

Apanteles spp. very abundant, mostly *fulvipes* group.

A. cf. fulvipes 2 ♀♀, mtd.

Syrphoctonus pallipes ♀, ant. 22.

Euphorus cf. pallipes group, ♂, ant. 25, mtd. on small plant.

Blacus longipennis 6 ♀♀, ant. all 17.

14.7.48, cont. Ballinacorney, Co. Dub., cont.

- Leisphron edentata* ♀, ant. 27.
- Dioaphis capitata* 5 ♀♀, 2 mtd.
- Opium cingulatum* 1 ♂, 2 ♀♀, 15 (ant. 23) + 1 ♀ (ant. 24) mtd. on twig (both)
- Pentapleura pumilio* 1 small ♀, dark legs, ant. 15.
- Phaenocarpa tabida* Hal. 1 ♀, ant. 19.
- Aspilota* spp. 25, including *A. dentifemur* 1 ♂, 2 ♀, ant. 22 & 23.
- A. crenifemur* 3 small ♂♂, ant. all 24; 1 small ♀, ant. 24; 3 large ♀♀, ant. all 24.
- A. cf. atra* 2 ♂♂, ant. both 27. *A. cf. simpsonicornis*, 2 ♀♀, ant. 25 & 26.
- A. cf. ?* - minute ♀, immature, small, ant. 25, pedicel 2-segmented, pedicel ant. 25!
- A. cf. ?* small dark ♂, ant. 21, dark legs, wide head, pedicel 2-segmented, with 2-seg. ant. 21.
- A. cf. cypripidis* 2 small ♂♂, ant. 17 & 18; the pale ♂, the darker ♀, same species.
- A. rufifemur* in 1 very nice ♀, ant. 24/25. *A. sp.* rather like *rufifemur* ♀, ant. 22.
- A. cf. ?* 3 minute ♂♂, ant. 15, 17 & 17, no simple "stem" head, narrower than thorax but ant. slender, head
- A. cf. furcicornis* a minute ♂, small, ant. 25, pedicel 2-seg. ant. 25.
- A. singularis* in ♀, ant. 15; also perhaps a ♂, ant. 16.
- Dacnusa areolaris*, *lanceolata*, *longiradiata* (1)
- Phaenocarpa* (10) + *maculipes* all, 1 mtd. present.
- D. aphanta* (1) *D. adducta* (1) *D. elegantula* (1)
- D. cf. ?* 2 mtd. ♂♂, ant. 24 & 25; one mtd. very immature.
- D. cf. areolaris* 2 ♂♂, ant. 24 & 27, probably the species though the first is smaller than second one & shorter.
- Monocentrus curvis* ♂ & 1 mtd.
- Aphidius cf. aversae* 1 ♀, ant. all.

14.7.48, cont.

Proctos 18: 3 mtd. =

Chalcids 14: 1 small mtd. with wings of *Antennia* flattened =

Cynipids 5: none mtd.

Beetle = *Melthodes marginalis*
field 11.17.48.

17. July 1948. A ♀ *Stenobothrus fuscicornis*? found in one of the breeding holes in mallee, long flight from Co. DU. to the WI. but date missing! A.H.S.

18.7.48. A very warm afternoon, with gentle W. breeze & much very hot sun, after 24 hours rain & much dull chilly weather. Everything too wet to go out in forenoon, but evening, George & I left in car at 2.45 & drove to Rye Water, Leixlip, Co. Kildare, where collected for over an hour & then drove on to Lock or canal 1 mile W. of Louisa Bridge & collected by canal & in Mr. Mitchell's plantation for 1 1/4 hours.

- 1 = slips from road nearly to Rye Water. 2.30-3.20
- 2 = edge of tow path E of Lock & W of plantation
- 3 = inside Mr. Mitchell's plantation. 3.45-5.00

18.7.1948. Co. Carlow, ant. 24, taken in each garden, 14.7.48.

18-7-48, cont. Royal Canal, KD., cont.
Taken at 2, cont.

Bracon communis ♀, *B. fulvipes* ♀, age, ant. 35, pale face.

B. of erectus ♂, *B. cinereus*, ant. 28.

Euphorus grandiceps 2: not mtd.

Opius cf. communis ♂: not mtd.

Phaenocarpa ruficeps 2 ♂♂: not mtd.

Ph. ruficeps a beautiful ♀ on bank of canal, ant. 44.

Pentapleura pumilio 2 ♂♂: not mtd.

Aspilota sp. 2 ♂♂: not mtd. *A. (Synaldis) pumilio* 2 ♂♂: not mtd.

D. cyathipes ♂, *D. elegantula* ♀, *D. areolaris* ♂: not mtd.

D. discolor ♀, ant. 22; very many small, but with many small, or

D. dironsi Mason ♀, ant. 27.

D. leptogaster Hal., large ♀, ant. 31-32.

Ophedrus lacustris ♀: not mtd.

Praon volucre ♀: not mtd.

Triclistus hercules Hal. ♀, ant. 16.

Aphidius spp. 2 ♂♂, 4 ♀♀: 3 ♀♀ only mtd.

A. pumilio ♀, ant. 18. *A. sp.* dark ♀, ant. 18.

A. sp. black ♀, in all, short, 17-seg.

Proctos 5: 3 mtd. =

Chalcids 7; 2 small with long abdomen mtd. =

Oxyphanta 4: not mtd. *Besleria metagaster* sp.

18-7-48, cont. R. Canal, KD., cont.

Taken at 3 (in plantation). [23 mtd. from 32 then labelled 3.1.53.]

Anteon 2 ♂♂: 1 mtd. =

Eptura pumilio ♂, *Banidium* ♂: not mtd.

Phygadeuon sp. *Acanthopneuste grandipennis* ♀ (ant. 25).

Leptocryptus claviger ♀, ant. 27.

Pimpla flavicornis ♀: not mtd.

Bracon truncatus ♂, *Stenomacrus confusus* ♀, ant. 21.

Exochus (*Exochus*) ♂, ant. 20, same mtd.

Orthocentrus 2: not mtd.

Colletes braconii 3 ♂♂, ant. 20, same mtd.

Sigalphus pallipes 2 ♂♂: not mtd.

Euphorus grandiceps 1: not mtd.

Blaesus dimidiatus ♀, ant. 20.

Centistes lineator ♂: not mtd.

Opius rufipes ♂, ant. 35, all black abdomen.

O. trilobatus ♀, Type 1. ant. 26, very stout, dark legs, very like *fenestratus* n. sp. but not quite, along a subplate & pupal case partly underneath! Ant. 4.1.1953.

Altica contracta 1 ♀: not mtd.

Pentapleura pumilio 1 ♂, 1 ♀: not mtd.

Phaenocarpa ruficeps 1 very small ♀: not mtd.

Orthocentrus ♂, ant. 22; black abdomen!

187 188, cont. R. Canal, KD, cont.

taken at 3, cont.

Aspilota spp. 7, including *A. fuscicornis* 2 ♂♂, not mtd.
A. crassifemur 1 ♂, ant. 25. *A. fuscicornis* 1 ♂, ant. 22.
A. cf. fuscicornis small ♂, ant. 16. *A. cf. sinensis* ♂, ant. 17.
A. (Synaldis) sp. ♂, ant. 23.

Dacnusa areolaris ♂ & ♀ about a dozen: none mtd.

D. pubescens? 1 small ♂, not mtd.

D. elegantula 1 ♀, not mtd. *D. bellina* ♂, not mtd.

D. l. (D. l.) 5 ♀♀, ant. 22, 23, 24.

D. areolaris Nixon ♀, dark var., ant. 23.

Ephedrus lacertorum ♂ Brown volume ♂

Cephus *psaropterus* ♀, yellow, swept off *S. rufus*? ant. 16

C. sp. 6: 1 ♂, ant. 18. Sp.?, ant. 18

Proctos 13

Chalcids 13

Euclyptids 2

[*Odynerus* *pratorum* ♀, this is a very - steering yellow of color
 while has collected at 203']

Chalcid (Chalcid minor ♀)

20th July 1948. After two fine days, an approaching depression made dull afternoon, with rain later.

Born Desmond Mink - in holiday from the Harbourside, Kent, - to Britton, 1/2 mile E. of the pub at Britton, later returned on the old St. Saviour road to St. Saviour & so home.

3 P.M. till 5.30 P.M. [summit & time collected 201-202]

Collected a few insects along St. Saviour road on both sides of the summit, at 900 ft. alt. & low bank:

Pimpla melanaria? ♂, black thorax, ant. 30

Stenomacrus *terrestris* ♀, probably off young *Conium* in small plantation.

Bracon *areolaris* ♀, not mtd.

Homocidus *nigritarsis* ♂, not mtd.

Apanteles sp. near *pallipes* ♂ & ♀ common, 1 mtd, *Apanteles* *pallipes* ♂

A. pectorator ♀

Pentapleura *pumilio* 1 large ♂, pale legs, ant. 27

Dacnusa *areolaris* 1 ♂, 2 ♀♀ (one ♀ very small, dark legs)

D. elegantula 1 ♂, 1 ♀, not mtd.

Diptera = *Chironomus* *illustratus* ♀

22 July 1948. A very nice day, after one of strong gales & some rain, with strong S.W. wind & there was some heavy showers from 1 till 1.30 P.M.; much hot sun.

Drove Brunken to Brittas Bay, Co. WI., to investigate an orchid in a hollow in the sand dunes there reported (when in bud) by the Dated botanist Siphon to be possibly *Epipactis microphylla*, but was expected it proved to be merely *P. palustris* growing up through the mat of *Salix repens*. Sifted the said hollow & took many small Hymenoptera there & then drove on to Bucknong where had lunch & parked car. After lunch & shower collected insects in dunes & by lagoon between road & sea till 3 P.M. & then spent an hour on edge of reed-bed in Bucknong marsh just north of the outlet drain.

Sifted in four areas as follows:—

- 1 = Hollow in dunes, Brittas Bay, amongst *Salix repens*, 12.30 - 12.50 Noon.
- 2 = Dry dunes, with *Salix repens*, Alder, Birch & *Salix cinerea* east of road & south of outlet from ^{Bucknong} marsh. 1.30 - 2.30
- 3 = South end of lagoon & dunes near same & then back to road on same ground to 2.30 - 3.0 P.M.
- 4 = S.E. edge of Bucknong reed-bed & marsh W. of road & N. of outlet. 3.0 - 4.0 P.M.

Left for home at 5.20 & home at 6.50, George driving.

22 7 48, cont. - Brittas Bay, Co. WI.

Taken at 1. (Hollow in dunes) [Collected 22.7.48, 21.8.48, 21.9.48, 21.10.48, 21.11.48]

Saphrin. 2

Pentapleura fulvipes ♀

Phaenocarpa sp. ♂, 21.8.48

Anteon spp. 4 ♂♂, 1 ♀ (1st ♂ & 1st ♀ of *Anteon* ♂ & 1st ♀ of *Anteon* ♀)

=

Brachon nigratus ♀, not fully off.

B. ventralis & *cyaneiventris* 1 ♂, very small, ant. 27.

Apanteles of *fulvipes*? ♀. Co. of *Apanteles*? ♀.

Chelonus

Acrogastra gibberula ^{from 1st ♂ & 1st ♀ of *Acrogastra* 1951} 1 ♂ & 2 ♀♀, ant. 29 (♂♂), 31 (♀).

Perilitus sp.

Euphorus grandis ♂, ant. 27, red head.

Brachon 1 ♂, 1 tiny ♀ = *Brachon* ♀, ant. 14; ♂ of *Brachon*? ant. 20.

Aphidius 2 ♂♂, 1 tiny ♂, ant. 15 & 16; one with *Brachon* indented, the other without.

=

Phaenocarpa fulvipes? ♀, not with.

Euphorus 2 ♂♂, 1 ♀ & *Phaenocarpa* ♂, ant. 27, not with.

= *Hamulus* sp. ♀, ant. 21, 2nd ♂, wings.

Euphorus? sp. ♂, ant. 27 & better off, head.

Chelonus ♂, ant. 27, better off, head.

22.7.48, cont. Buckenham marsh, WI, cont.
Taken at 4, cont.

Meloboris of red line cross 5 ♀♀. none mtd.
In *Phlox* cross ♂, ant. 23.
6 m. p. p. ♂ = *Agrotis*? ♀, ant. 24.

Bracon fulvipes ♂ & ♀, mtd. *B. fuscicornis* ♂ & ♀. also
B. communis - large ♀, ant. 29.
Apanteles of *fulvipes* 2 ♂♂ & 3 others = *A. confusus* ♂ & ♀.
A. cf. minutus? ♂
Chelonus striatus Thoms. ♂, ant. 19. File. M.H.R. & V.G. 1948.
C. of *secutor* ♀, ant. 22.
Geophilus capitatus? 2 ♀♀, very small petiole! ant. both 22.
maculatus abdominalis ♀, ant. 45.
Opus of *locustae*? ♂ & ♀, ant. 28(?) = ♂, 29 in ♀.
O. longicaudatus ♂, ant. 31, very nice specimen!
[No *Alysia* *thutoni*, other than *Braconid*!]

Dacnusa areolaris 1 ♀ mtd, ant. 20.
D. rosaceicornis sp. n. 2 ♀♀ (type & paratype), ant. both 20. *terrestris* nearly as long as
abdomen, strongly apiculate. ♂ & ♀. AWS 9.1.53
D. curtipalpis mtd. 2 ♀♀, ant. 30 & 29. ♂ & ♀. near *fulvipes* but ant. 25.
D. debilis ♀, ant. 28. *D.* ♂ sp. *proclivis* group ♀, ant. 26, abd.
pointed, ant. both 26, like *fulvipes*?
D. obscura ♂ ♀, ant. 27. (also *fulvipes*, another ♀, ant. 27)
D. rarsa small ♀, ant. only 28.
6 m. p. p. of 12.7.1953, ant. 15, 1953.

22.7.48, cont. Buckenham marsh, WI, cont.
Taken at 4, cont.

D. (Agrotis) exaltata frequent, ♂ & ♀, ant. both 23.
D. fulvipes m. 2 ♀♀, ant. 25 & 26 = *fulvipes* from 1949!
also a larger ♂, ant. 20.
D. siniffa ♀, ant. 37.

Coelinius ♂, ant. 40.
Ephedrus validus ♂ & ♀, ant. 21.
Aphidius spp. 3 = *Aphidius* of *argemone* ♀, ant. 18 & 19.
A. of ♂, ant. 12, not mtd. *A. fulvipes* ♂, ant. 30.

Proctos 2 (mainly *Proctos* but also *Chalcids* & *Ichneumonids*)
on *Scaphium nigricornis* Thoms. File. M.H.R. & V.G. dated 15.1.1953.
Chalcids 5 mtd.

25th July, 1948. A very warm day, soft & sticky, with almost
a gale from S-SE till sunset. Drove in afternoon to
Lunden town, Grand Canal, Co. Kil. dore, arriving 2.4 PM.
Left in three areas, but with very bad & *Hymenoptera* taking.
1 = Plantation & cultivated field behind S. of same. 3.20 - 4.00 PM.
2 = Glycemia filled drain running N of above field. 4.00 - 4.45 PM.
3 = S. side of canal & parallel drain, but no canal & road, N. of station.
Left for home 6.40, home about 7.40 P.M. 5.30 - 6.30 P.M.

27.7.48, cont. Portlaine, Co. DU., cont.

Taken at 1. [26 mounted from 1 + then labelled 14.1.1952.]

The only aculeate seen all day were two red ♂

Pimpla, one ♀ *Andrena* species & *Symphyla*

— *Bombus muscorum* — *Lucina* & *Aphidius* — *aphidius*

Chalcidius *intermedius* ♀, ant. 26.

Cryptinid ♂ 3 mth. = *Idiolipsa arctus* ♀, ant. 29.

Phygadeuon cf. *profligator* ♂, ant. 28.

Herichia *reticulata* ♂, ant. 29.

Pimpla instigator ♂, v. *intermedia*! not mtd.

Polyblastus red sp. ♂, red femora, ant. 27.

P. red sp. ♀, black femora, ant. 29.

Mesochorus nigripes ♂, ant. 24.

Myriarthrus singularis ♂, ant. 25.

Bracon anthracinus ♀ not mtd.

B. sp. ♂ ant. 24, long legs, red femora, ant. 24, long legs, red femora, ant. 24.

Aphidius pallipes ♀. *A. brevis* ♂.

A. cf. *speciosus* ♂.

Ogaster littoralis red 2 ♀♀, ant. both 25.

Exochus aethiops 1 ♂, 1 ♀, ant. 26 (♂) & 23 (♀).

27.7.48, cont. Portlaine, DU., cont.

Opius seminivittatus ♂, ant. 28, large 3 mounted, 1 mtd. 14.1.52.

O. fasciatus m. ♀, ant. 28.

Aspilota cf. tibialis ♂, ant. 23. *Dacnusa areolaris* 1 ♀, ant. 24.

Dacnusa nigra *pygmaea* m. ♀, ant. 24. *D. areolaris* ♂, ant. 23.

Coelinius ruficornis 1 ♂, 1 ♀.

Phedon rubellus ♂, small, ant. 11.

Triclistus cf. *curvi* ♂, ant. 28.

Aphidius spp. 4: 1 ♂ mtd, large, ant. 23 = *A.*

Chalcids: abundant: ♀ = *rupestris*: 1 mtd. =

Diptera & *Hemiptera*: very abundant: 1 *Bifrons* mtd. =

Remaneles ♀ ♀.

Taken at 2. [Sp. mtd. from 2 (2 mtd. mtd.) + then labelled 16.1.53.]

Sample in flower field =

Cryptinid 14, chiefly 2 *Phygadeuon* (1 = mtd. mtd. 14.1.52)

Phygadeuon sp. 3 ♂♂ (ant. 21, 21 & 22) & 1 ♀ (ant. 20, head & feet)

probably one species & probably all swept off *Atropa* *montana*!

Pimpla annulator ♂, ant. 25. flower field 1: *P. thomasi* (M) black var.

P. instigator ♂, v. *intermedia*! not mtd.

Cremastus geminus ♂, ant. 27.

Comptosia 1 ♂ ant. 27 & 1 ♀ ant. 27 =

Brachymeria anthracina ♀: not mtd.

Bistorta procumbens 5 also amongst at postlewards.

Dacnusa areolaris 1♂; not mtd. ♂ on 4/4, ant. mostly bitten, up to 4/41 segmented.

Levelinus redus 107, 18 not mtd.

Pivototype praidator, small ♀

Other recent Photos 3 =

Chalcids abundant: about 12 in water

by mixed 1, double plane =

Locustoid =

Hermitian $1 =$

Mosquito =

Station 2
in opposite page
content not kept
separate

27.7.48, cont. Portrane, Co. DU, cont.

Taken at 2, cont., but in a 3rd snake, + same used

Bathysus fuscicornis, small, brachypterous ♂

Bygone: a minute or so =

Acronyia nigro-pygmaea m. ♀, ant. 24. *A. muscilla* m. ♂, ant. 21.

Boedonina elegans ♀, antennas mutilated

Chadwick. See opp page!

Little Blue Butterfly frequently seen along edge
of fallow fields & also in dunes!

1.8.48. A large family (40) of *Apanteles telonea* emerged from an irregular bunch of whitish aerial roots of W.K. Elms, who had found them attached to a pear tree near his house at Ballinacross, E. Donegal (near Lifford!) on 21.7.1948.

4th August 1942. A warm, dull day, with gentle easterly breeze in Dublin, no wind at Gollinstown, 17 in with drizzle over the hills: nearly drizzling at Gollinstown.

Down in afternoon to & left car at Ballymakilly Bridge & walked up canal to Gollinstown by tow path & home by path on South side of canal 3.30 till 6.0 P.M.

Collected by sweeping in 3 areas as follows:-

- 1 = Edge of canal by tow path for 1/4 mile above lock.
- 2 = nearly dry pond full of *Sagittaria*, *Glyceria*, etc. N. of wall, 1/8 mile NW of Gollinstown Bridge.
- 3 = E. end of 2nd pond SW of Gollinstown Bridge.

Insects taken at 1. Gollinstown,
Grand Canal, W. of Ballymakilly
Canal mtd. from 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 & 11 & 12 & 13 & 14 & 15 & 16 & 17 & 18 & 19 & 20 & 21 & 22 & 23 & 24 & 25 & 26 & 27 & 28 & 29 & 30 & 31 & 32 & 33 & 34 & 35 & 36 & 37 & 38 & 39 & 40 & 41 & 42 & 43 & 44 & 45 & 46 & 47 & 48 & 49 & 50 & 51 & 52 & 53 & 54 & 55 & 56 & 57 & 58 & 59 & 60 & 61 & 62 & 63 & 64 & 65 & 66 & 67 & 68 & 69 & 70 & 71 & 72 & 73 & 74 & 75 & 76 & 77 & 78 & 79 & 80 & 81 & 82 & 83 & 84 & 85 & 86 & 87 & 88 & 89 & 90 & 91 & 92 & 93 & 94 & 95 & 96 & 97 & 98 & 99 & 100 (DU.)

Vol. 1. ♂ *Lek* = *Schura nigricollis* ♂ ant. 35, scutellum red.

Cryptids 12, mostly ♂ *Hamitula* spp. 3 kept =

Pezomachus micromus? ♀, small, reddish, dumpy. "Very nice!"

Phygadeuon? ♂ ant. 23 (N. of lock, or *Phygadeuon*?)

Cryptus? small ♂, ant. 26.

Pimpla tumidulus group, small ♂.

Glypta caradite ♀: not mtd.

G. monumens ♂: not mtd.

Gollinstown,
4.8.42, cont. Grand Canal, Co. DU, cont.

Taken at 1, cont.

Promethes laticarpus? ♀, not mtd.

Chalcid 1 ♂, ant. 22 =

Meloboris sp. 2 ♂♂: 1 mtd. = 24 (♂) *Meloboris*? ant. 35

Aspilota? ♂: not mtd.

Mesochorus sp. ♀: not mtd.

Bracon anthracinus 1 ♂, 2 ♀♀, ^{new mtd.} *B. communis* 2 ♀♀, not mtd.

B. cf. areolaris ♂; ant. 22.

Aspilota infirma? ♀. *A. fulvipes*? 2 sp. ♀.

A. triangulata? ♂.

Opius furvus m. ♀, ant. 26. *O. tenuis* ♀, ant. 22.

O. caelis? small ♀, ant. 23. *O. genalis* sp. ♂ ant. 21. ^{as 13 mm. mtd. (typ. 13 mm. mtd. 21. 22. 23.)}

Pentapleura pumilio 3 ♂♂.

Dacnusa areolaris group 3 (♂♂ & ♀♀): 1 ♂ mtd. ant. 21 = *areolaris* H.

D. gelvipes ♀: not mtd.

D. nyctia hirs ♂, ant. 29.

D. (Gyrocampa) rubella 1 small ♂, ant. 32.

Chorebus unicus ♂, ant. 21.

Bracon abjectus & *robustus*? 3: none mtd.

Monoclonus monumens? ♂, ant. 28.

Thurys mtd. ♀, ant. 10.

Gallivestown

4.5 108, cont. L Grand Canal, DO, cont.

Taken at 1, cont.

Aphidius spp. abundant: about 12 - mtd. =

A. cf. arundinis Hal. ♀, ant. 14.

Proctos. 6: none mtd.

Chalcids 3: none mtd.

Cynipids 3: not mtd.

Hemiptera (? or mtd.) =
Small ♀Taken at 2, Gallivestown, DO. [27 mtd. from 24
Here labelled 20.1.1953]Cryptine to the large mtd. = *Phaenocarpa* *gracilis* group ♀
ant. 20*Zorotypus* *unifasciatus* ♂*Homocidus* *sternatorum* ♂*Pezomachus* ♂*Bracon areolaris* (32) ♀, ant. 19*Aspilota glomerata* 2 ♀ *Hypophletus curvatus* ♂*Opius rufus* 4 ♂*D. micromus* mtd. ♀, ant. 25*O. basalis* ♀, ant. 24

4.5 48, cont. Road N of Grand Canal wall, Gallivestown, DO.

Taken at 2.

Aspilota

G

flat head!

new spec. very labelling
probably already labelled*Pentapleura pumilio* abundant (♂ & ♀); none mtd.*P. angulata* ♂, not mtd.*Alysia tipulae* ♀ mtd. *Adelius flaviventris* ♀, not mtd.*Phaenocarpa nivalis* Styer (♂ & ♀ of *curvis* Hal.) (♂ & ♀, ant. 24 & 25)
1 ♀, ant. 25*M. flavipes* ♂, ant. 22. *P. tabida* ♂, ant. 23. *P. picipes* 3 ♂ & ♀, not mtd.*Dacnusa areolaris*, longirostris, pubescens, ♂, common. (new mtd.)*D. gibbifera* ♀, not mtd. *D. bipunctata* 2 ♂, ant. 23.*D. cf. lapidaria* ♂, var. *deutro*? ant. 21, also another ♂, ant. 24.*D. (Gyrocampa) uliginosa* 7 ♂ & ♀, ant. 25(2), 26(2) & 27(1).also 2 ♀♀ with much pale legs & 1 with small wings & only 21-seg. ant., *harsh* ant. 22/23.*Chorebus lymphata* ♂, large, ant. 25*Chorebus conjugens* 2 ♂ & ♀, 1 ♀ only mtd., ant. 20.*Bracon* 1: not mtd.*Aphidius* 5: 1 ♂ mtd. = *A. arundinis* ♀, ant. 16.Proctos. 4: 1 ♂ *Sarcophaga* only mtd. =

Chalcids 3: none mtd.

4.8.48, cont. Yellinstown, DU, cont.
 Taken at 3.

- Hemiteles* sp. cf. *gracilis* group, not mtd.
- Pezomachus* *gibbatus* ♀, not mtd.
- Meloboris* ♂, black cone, legs ^{ant. 37} *Pezomachus* *gibbatus* group ♀, not mtd.
- Opius* *irregularis* + *coccin* 100 each, not mtd.
- Blacus*
- Pentapleura* *fruticosa* 10, 19, not mtd.
- Phaenocarpa* *nervosa* Stelfox 2 ♂♂, ant. 31 & 32
- Ph. piceicornis* 100, not mtd.
- Aspilota* *semiconspersa* ♂, ant. 19.
- A. fuscescens*? ♀, a large robust ♀, ant. 19.
- Dacnusa* *areolaris* 2 ♂♂ *D. pubescens* 100, not mtd.
- D. (Gyrocampa)* cf. *uliginosa* 6 ♂♂, 1 mtd., ant. both 18.
- Also a very small ♂ with very transverse head & only 20 seg. ant. = ♀?
- Chorebus* *lymphata* 100, ant. 21.
- Chorebus* *virgatus* 2 ♂♂, not mtd.
- Praon* *volucre*? ♀, not mtd.
- Proctos* 5, 2 mtd. =
- Chalcids* 1, not mtd.

7.8.48 An *Aphidius* ♀ light
 mtd. in house
 10.30.48 in house
 11.6.48 in house
 11.6.48 in house
 11.6.48 in house

4.8.48. 1 ♀ *Chalcid* caught in back garden
 at Clonsilla Rd. near Clonsilla, DU.

10th August 1948. At 10 PM met E. O'Mahony at the Burton Ho.
 Backs, North Wall, Dublin, & spent 2 hours around
 the Sally Garden (& in Corn Store), there on 4th E.O.M.
 had discovered a colony of *Ponera pennsylvanica* ♂♂ (wings)
 & ♀♀ but no ♂♂. The area where the ant. were in the angle
 of two walls facing S. & W. & in during the war used to
 store "brown coal" from Sweden, since then on top of the
 remains of the coal has been dumped a lot of refuse,
 thus expending heat. As consequence of the heat the
 whole area has become the home of another cockroach
 which has crossed the wall & invaded neighbouring houses
 & given rise to complaints. A lot of rubbish has been
 in the newspapers the last two months on the matter.
 Various methods have been tried to get rid of the cock-
 roaches & are still being tried & a man has been
 employed to dig a trench along the wall & then up
 the material, which is full of them, *Percepsis* *curvis*, etc.
 It was during this digging in the angle of the two walls
 that O'Mahony found the ants & today after
 rain searching amongst the loose heap & getting
 only 2 ♀♀ ^{from 100} *Ponera* & 1 ♂ *Hemiteles*, we eventually located
 what appeared to be the remains of the colony on top of
 a flat lathen projecting about a foot above the trench

11.8.48, cont. Ridge N of Ballynascilly Hill Co. DU.
 [55 mounted & these labelled 27.1.1953.]

Swift off Ballinac, Ennis, 8.8.48

Ich. ♂, red, black & white chs. = *Microgaster* ♂ ant. 34.

Olesicampe cf. *caricina* Th. ♂ ant. 38

Pezomachus sp. ♂ ant. 30, wings, small & slender.

Bombus lucorum ♂♂ & ♀♀ amongst *Calluna* (in flower)
 & in abundance, 25.8.48 in numbers from two
 "sweeps"; most of the ♂♂ very tiny & referable to
 var. *degeneratus* Marshall. 30.8.48, 33.8.48, with
 antennae 18 (very small), 20 & 21. ♂♂; all 17-18. ♀♀

Apanteles cf. *fulvipes* ♂

Leucophaea *capita*: 20.8.48, 1 very small & 2 larger ♀♀.
 ♂ ant. 23; small ♀ ant. 21; large ♀ ant. 23 & 24 - segmented.

Proctos 1: not identified.

Chalcids 3; not identified.

Beetles 2 (1 small *Staph.* & 1 minute *Staph.* species). 4th 4th.

Diptera 1: not identified.

11.8.48. Taken in back garden or motor house, 44 Glenaville Rd.,
 Harold's Cross, Dublin.

Hemiteles *costatus* group ♂, ant. 23. ♂ ant. 24.

Gyrinus ♂ =

15th August 1948. A poor windy day with frequent
 drizzle & some heavy showers: wind a gale from
 SW. Drove, with Graham Bonnah (110), a boy from
 Brimborough, Cheshire, to "Dun Lillians" S. of
 Kilkenny, Co. KD., then over the hill marked
 "Old Kilkenny", Dun Lillians at 1 PM, under
 the round tower. Later drove on through
 Dunlavin to Hollywood Glen, where tried
 sweeping along roadside at extreme N end of
 the glen, for an hour, while Daisy & Graham
 Bonnah, went to see the stone circle known
 as "The Piper's Stone" & here took the following
 insects: —

3.30 till 4.30 P.M.

Roadside at N. end of Hollywood Glen
 [55 mounted & these labelled 27.1.1953.] Co. WI.

Leptocryptus *abundans* 10, 14 - not identified.

Hemiteles cf. *gracilis* ♀. *Phygadeuon*? sp. ♂ ant. 22.

H. sp. ♂ ant. 21. *Pezomachus* sp. ♂ ant. 22.

Pezomachus? sp. ♂ ant. 22. *Pezomachus* cf. *costatus* ♂ ant. 22.

Stenomacrus *intermedius* ♀ ant. 22. *Homocidus* *longicornis* ♂ ant. 21.

Chalcids sp. ♂ ant. 26 & 27. *Pezomachus* cf. *costatus* ♂ ant. 22.

15th August 1948, cont. Hollywood Glen, WI., cont.

Campoplegid 2 = *Oncites*? *O.* *ant.* 31

G. *ant.* 27

Plectiscus 2 = *Apanteles* *allipalpi* *ant.* 20. *Plectiscus* *ant.* 28

Pezomachus 4: 3 mtd. ♂ + 2♀♀ (ant. all 28) =

Bracon communis ♂, ant. 28

Colastes *brevicornis* *ant.* 28. *ant.* 28. *ant.* 28. *ant.* 28.

Colastes *ant.* 28. *ant.* 28. *ant.* 28. *ant.* 28.

Colastes *ant.* 28. *ant.* 28. *ant.* 28. *ant.* 28.

Apanteles *ant.* 28. *ant.* 28. *ant.* 28. *ant.* 28.

Apanteles *ant.* 28. *ant.* 28. *ant.* 28. *ant.* 28.

Apanteles *ant.* 28. *ant.* 28. *ant.* 28. *ant.* 28.

Rogas *ant.* 40.

Meteorus *ant.* 25.

Opius *ant.* 6, including *O. singularis* *ant.* 28.

O. singularis *ant.* 28. *ant.* 28. *ant.* 28. *ant.* 28.

O. singularis *ant.* 28. *ant.* 28. *ant.* 28. *ant.* 28.

O. singularis *ant.* 28. *ant.* 28. *ant.* 28. *ant.* 28.

O. singularis *ant.* 28. *ant.* 28. *ant.* 28. *ant.* 28.

O. singularis *ant.* 28. *ant.* 28. *ant.* 28. *ant.* 28.

O. singularis *ant.* 28. *ant.* 28. *ant.* 28. *ant.* 28.

15.8.48, cont. Hollywood Glen, WI., cont.

Dacnusa *ant.* 28. *ant.* 28. *ant.* 28. *ant.* 28.

D. ant. 28. *ant.* 28. *ant.* 28. *ant.* 28.

D. ant. 28. *ant.* 28. *ant.* 28. *ant.* 28.

D. ant. 28. *ant.* 28. *ant.* 28. *ant.* 28.

Ephedrus *ant.* 11.

E. ant. 11. *ant.* 11. *ant.* 11. *ant.* 11.

Aphidius *ant.* 16. *ant.* 16. *ant.* 16. *ant.* 16.

Small *Bracon*, *Chalcids* & *Ichneumonids* very abundant, 1 per

Bracon & *Chalcids* mounted on 5 *Bracon* & 2 *Chalcids* -

Bracon.

Chalcids: 1 minute ant. 6. *ant.* 6. *ant.* 6. *ant.* 6.

Diptera: small yellow & black sp. abundant on flowers

of *Angelica* in road below road =

Brachymeria *ant.* 16. *ant.* 16. *ant.* 16. *ant.* 16.

Brachymeria *ant.* 16. *ant.* 16. *ant.* 16. *ant.* 16.

19th August 1948 (Thursday). A very fine day, no rain,

no wind, some sun, mainly cloudy, cool except

in sun. After putting Graham down on the nail

boat at Kingstown at 5.30 A.M. took the day off.

Gardens in forenoon, but in afternoon down to

Lucan & spent 1 1/2 hours in the Sansfield Estate

where conditions perfect for sweeping & few flies

19.8.48, cont. Lucan demarne, Co. DU.

Sept - two areas as follows -

1 = from entrance gate to river 3.30 - 4.15 P.M.

2 = by river just below where river path & that from gate meet (where often collected before & which is usually station no. 1) 4.15 - 5.0 P.M.

Lucan demarne, DU.

Taken at 1. (25.8.48. From 1 & then labelled 29.1.1953.)

- Phaenocarpa* sp. 2 ♀♀ = *Ooecophora pallipalpis*, ant. 22.
- Cryptinids* 12, including *Pezomachus* sp. 3 ♀♀
- Pezomachus* *prociator* 1 ♀, ant. 22. *Leptomyza* sp. 3 ♂♂, ant. 22.
- Pez.* sp. ♂, complex, ant. 22.
- Microcryptus* sp. ♀, large, white marked orbits, stout white banded antennae, 23 seg.
- Homocidus pulcher* ^{ant. 21} *capitator* ^{ant. 21} & *biguttatus* ^{ant. 24} ♂♂ each
- Proctos* *capitator* & *pulchellus* ♂♂ each, not mtd.
- Stenomacrus ventralis* ♂♂: a sign of autumn! not mtd.
- [No *Pimpla* & no *Campoplegid*]
- Phygadeuon* *clavator* ♂, not mtd.
- Apanteles* *tetraneura* ♀
- Blacus* *hirsutus* group 5 ♂♂: 2 mtd., ant. both 19.

19.8.48, cont. Lucan, DU, cont.

Taken at 1, cont.

- Opius* *curvatus* ♂ ^{ant. 24}. *O. concolor* ♀, ant. 24.
- O. aculeator* var. ♂, ant. 24. *O. nigriventris* ♂, ant. 33.
- O. ruficornis* ♂, ant. 33.
- Adelius flaviventris* ♀ ^{ant. 24} *Pentapleura* *fragilis* ♀, ant. 24.
- Aspilota* spp. 6 = *A. cf. quercus* in 1 ♂ (ant. 24), 1 ♀ ant. 17, & small.
- A. sp.* ? very distinct, ♂, ant. 25, red legs 1+2, very long "spine" head!
- A. cf. nigrescens* (small, narrow, ♂, ant. 17 (abnormal)).
- A. latifrons* ♂, ant. 21. *A. (Synaldis) rubicincta* ♂, ant. 18.
- Dacnusa areolaris* ♂ *D. areolaris* 3 ♀♀
- D. adducta* 1 very nice ♂, ant. 21.
- D. melanocera* ♀, ant. 25.
- D. areolaris* minor? ♂, ant. 34.
- Ephedrus plagiator* 3 ♂♂: not mtd.
- Aphidius* spp. 2, not mtd.
- Proctos* 8 } - 1 Proct. mtd.
- Chalcids* 8 } Very abundant!
- Cynipids* 2 } none mtd.
- Hemipterans* 1 =

19.8.48, cont. Lucan, DU, cont.

Taken at 2. [36 mounted from 2. 2 others labelled 31.1.1953.]

1st. 1st. 1 ♂ = *Stylabus pedicularis*? ♂ ant. 24.

Cryptids 11, including *Pezomachus rufipes*? 3 ♂♂.

Leptocryptus sp. ♂, ant. 23. ♀, ant. 24. L. sp. ♂, ant. 24.

Leptocryptus sp. ♀, ant. 23.

Cryptus sp. ♂, ant. 23.

Pimpla flavicornis? ♂, ant. 24.

Lamproloma sp. ♀, ant. 27. 28.

Pezomachus tricolor ♂. *Promethes sulcator* ♂, ant. 24.

Promethes scutellarius ♂. *P. argutus* ♂, ant. 24.

Orthocentrus sp. ♂, ant. 25, stigmata obscure!

Mesochorus sp. ♂, ant. 24.

Polyblastus cf. *pubescens* ♂, ant. 25. *tenuicornis* sp. ♂, ant. 28.

Mesochorus sp. ♂, ant. 24.

Campoplegid ♀ ant. 30 = *longicauda*?

Colastes brevicornis ♀ ant. 24. *Apanteles circumscriptus*? ♀.

Blacus ruficornis 1 ♂, 1 ♀, ant. 24.

Opius spp. 9, including *O. irregularis* ♂, ant. 24.

O. testaceus? ♂, ant. 27. *O. caesus*? 1 ♂, 3 ♀♀, ant. 26, 25, 24, 29.

O. fuscus ♂, ant. 26. *O. vindex* "mexicanus" ♂, ant. 25. *O. procerus* ♀, ant. 44.

19.8.48, cont. Lucan, DU, cont.

Taken at 2, cont.

Opius

see opposite page!

Pezomachus brevicornis ♀ ant. 24.

Adelura flavimata, ♂, ant. 45, rather small.

Aspilota fuscicornis ♂, ant. 22. ♀ of *Aspilota*, ant. 22, ♂.

Orthocentrus cf. *pubescens* ♂, ant. 22, very short stigmata, narrow wings?

Dacnusa laciniata pupa (new ant. *D. areolaris* & *longicauda* 1 each).

D. talaris ♂, ant. 24, ♂. *D. marginata* ♂ (ant. 22), ♀ (ant. 29).

D. melanura ♂, ant. 24. *D. like areolaris but* *marginata* postmarginal, ♀, ant. 31.

D. cf. aphanta? ♂ & ♀, ant. 24 & 23, minute granules, polistid, short radial cell, base proclitell, narrow (longitudinal), ♂, legs almost purely pale.

Ephedrus plagiator 1 ♂, 1 ♀, ant. 24. *Aphidius* sp. 1 not ant.

Proctos: 7: 2 not ant.

Chalcids 6: 1 not ant.

Cynipids 4: none ant.

22-23 August 1946. A very wild day, but much sun & only two heavy showers, after a gap with heavy rain the previous day. Drove to Athdown, Upper Liffey Valley, Co. WI, arriving 11.30 AM. Howard & Margaret Hudson, Daisy, George & self. Spent day about the area around the Athdown "footbridge", but collecting spoiled by very strong SW wind & heavy shower at 12 noon & 2.15 PM & no collecting possible for 1/2 to 1 hour after shower in spite of sun & wind. Collected in 4 areas as follows:

- 1 = edge of cornfield between road & scrub on ^{11.30-1.0 PM} slope.
- 2 = birches, hazel, &c. along scrub 1/4 mile above footbridge & on left bank of river. 3-4 PM.
- 3 = scrub on right bank of river just at & below footbridge ^{4.5 PM}.
- 4 = Same as 1 only 5 PM.

Athdown, Co. WI, ca 900 ft. & more

Taken at 1. [28 mounted from 1 & 2. One labelled 2.3.1953.]

Exochus curvulus ♀, ant. 28.
Exochus procerus ♀: not mtd.
Exochus sp.: 2 mtd. =
Phygadeuon sp. ♀, ant. 26.
P. subrimatus & *brachyplanus* ♀: not mtd., ant. 18.

22 & 23, cont. Athdown, WI., cont.

Taken at 1, cont.

Pimpla brevicornis large ♀, red hind tibiae, ant. 30, mtd. on side back.
P. brevicornis small ♀, ^{ant. 20} ~~from same tree~~ but hind tibiae & 3rd ant. 2 mtd. and both 20.
Leucospis bellator ♀♀ near a *Lygellia*: not kept.
Promethes pulchellus & *subpallidus* ~~from same tree~~ 1 not mtd.
Tryphon cf. *vulgare* ♂, ant. 35.
Stenomacrus curvulus Th. ♀, with mounted tibiae; ant. 27, not mtd.
Stenomacrus ♂, ant. 30 =
Microgaster ♂ & ♀: not mtd.
Agrocyba 1♂, 2♀♀, ant. 38(♂), 37(♀) = *A. flavicollis*?
Campoplegid ♀: not mtd.

Bracon fulvipes ♀ mtd. *Apanteles halictidis*, white wings.
Sigalphus ^{ant. 35} ~~on same tree~~ Th. ♀, 35. *Microgaster* cf. *fulvipes* ♀, ant. 35.
Opius ^{ant. 22} ~~ant. 22~~ ^{ant. 22} large ♀. *O. cf. (smaller small ant.)* ♂, ant. 20.
Aspilota fuscirostris ♀, ant. 12. *Stenobothrus* 1♂ & 2 ♀♀, ant. 20.
A. cf. (smaller small ant.) ♂, ant. 20. *Stenobothrus* 1♂ & 2 ♀♀, ant. 20.
Proctos 5: 4 mtd. =
Chalcids 3: 1♂ mtd. =
Diptera =
Meloidae =

22.8.48, cont. Athdown, WI, cont.

Taken at 2 [only 13 mtd. from 2 + three labelled 4.2.53.]

aculeator at 1+2. *Bombus agrorum* & *lucorum*, *Pachyura*
distincta ♀; *Andrena fuscipes* ♂♂, *terrestris* ♀♀ present
 & about 8 in flower of one large ragwort, *Crab. ramosus*
 ♂♂ & ♀♀ in flower of bird at 2; *Salix caprea* very
 large ♀ in bud; smaller ♀♀ seen.

Saxifraga aizoides several seen*Pachyrhynchus* *stellatus* 2 ♀♀ not mtd.*Genet. sp.* ♀ = *Scotonomus latulatus* ♀*Amblysternus* *subopacatus* ♂, ant. 37.*Schizura* sp. ♂, yellow & black; ant. 41.*Platylabus phaleratus* Hal. ♂, ant. 29+ (latter off.)*Barichneumon* *albatorius* ♂ not mtd.*Cerastium* ♂: not mtd.*Hemiteles* sp. ♀ not mtd.*Pimpla brevicornis* ♂, & *P. flavicornis* ♂, rather mtd.*Phytodietus* sp. 1 ♂, ant. 34, large pale mtd.*Tryphon* *erythrogaster* Th. ♂ ant. 36. *Cteniscus* sp. ♂ ant. 30.*Polyblastus* ?*Encyrtus* *remipes* ♂ & ♀, ant. 24 & 25.*Abomalus* sp. *seclator* Th. dark ♂, ant. 47.

22.8.48, cont. Athdown, WI, cont.

Taken at 2 cont.

Camptopoma sp. at bird, very large black & orange ♀*Microctonus* sp. ♂, not mtd.*Camptopoda* 1 ♂: not mtd.*Diaparsus* *oleaceus* ♂, not mtd.

Taken at 3. [14 mtd. & three labelled 4.2.53.]

Cratichneumon *annulatus*? 2 ♀♀: 1 ♀ mtd. on its back; ant. 25.*Platylabus* sp. *phaleratus* ♂, ant. 32. *Cerastium* *oppositifolium* ♀, ant. 22.*Tryphon* sp. - *erythrogaster* sp. ♂, ant. 36. ♀, ant. 32.*Hebichneumon* sp. ♂, ant. 32; abdomen sculptured like a *Barichneumon*.*Tryphon* sp. ♀, ant. 26.*Pimpla* sp. *brevis* ♂, large ♀, 30.*Promethes* *agaster* ♀, ant. 23.*Apanteles* *fulvipes* ♀.*Mesochorus* *concoloratus* ♂, ant. 26. ♀ - *phaleratus* ♀, ant. 24.*Blacus* *tripudians* ♀, ant. 19.*Aspilota* sp. *trifida* ♂, ant. 20. *Grammichneumon* *maritimus* 1 ♀, not mtd.*Roctus* 2 not mtd.

Chalcids 4: 1 mtd =

29th August 1948. A very warm, humid day; with
some SW wind - rather strong at times - & much
hot sun.

Drove (with Mr Green & Davis) via Ballbridge,
Gloucester & Prosperous to Bruckagh & spent
some time in the bog before & after lunch. All the
usual plants seen, but no trace of *Rhynchospora*
frutescens, which was not seen though lots of
R. alba. Swept a few insects on cut-
ting edge of bog & the bog itself on N. side
of the Prosperous - Edmunds Road before
lunch (= 1) & in plantation & swamp on
S side of road at same place after lunch (= 2).
Bombus lucorum & *B. terrestris* common.
The latter often at flowers of *Erica tetralix*.

Later collected by Grand Canal, E of Limerick, on way home.
Insects taken at 1 (Bog N. of road at Bruckagh, KD.) (= 3).
Cryptine 12, 2♀♀. 2 lost mtd. = (12 more till 1.15 PM.)

Hemiteles 1 ♀. Head, ant. 22. H. sp. 2, small, ant. 20.
Zootropus rusticus? or not mtd. *Euclyptus* sp. (cf. *oligomera*) ♂ ant. 18.
Bracon microcephalus mtd. 14 ♂ ant. 20, ♀ ant. 26, and
Syrphid *cradatus* ♀. not mtd. (may not be same species as this ♀)
Microgaster subfasciatus ♀. (cf. *oligomera*) ♂ ant. 18, orbit. & pleural spir. band as tergite 3.

Bog at Bruckagh, C. KD., cont.

Insects taken at 1, cont.

Diapriid *capita* 2 ♂♂. not mtd.

Opius *brunneator*, a very nice pair. (♂, ant. 27, with orange tinge; ♀, ant. 28.)

O. irregularis ♀: not mtd.

Dacnusa areolaris ♀: not mtd.

D. areolaris ♂, ant. 28, very small.

Aphidius sp. ♂.

Proctos 1.

Chalcids 3.

Cynipids 2.

Taken at 2. (2.15 - 3.15 PM.) [30 mtd from 2 - these labelled 9.2.1953.]

Phaenocarpa 2♀♀. *Oncophanes* *lineator*! *Euphorus* *occipitalis* ♂, ♀: not mtd.

Phaenocarpa? 2♀♀: not mtd.

Cryptine 7 (2 only mounted).

Hemiteles ♀, minute, ant. 18.

Pegomya *fulvipes* ♂, ant. 18.

Pimpla floricola ♂: not mtd. *Leucospa* *bellata* ♂: not mtd.

Orthocentrus *radialis* 1 ♀, ant. 3.

Promethes *subulatus* ♀, dark ♂, ant. 25.

P. subulatus ♀: not mtd.

Microgaster 1: not mtd.

Phaenocarpa *occipitalis* ♂, ♀: not mtd.
Leptocryptus *occipitalis* ♂, ♀: not mtd.

Leptocryptus *occipitalis* ♀.
Scaphy *occipitalis* ♂.

30th Aug 1928 (Monday).

A warm day with strong SE wind & some drizzle in morning, later dull & then sunny in evening. Went to Sutton by 11.30 AM train with J. P. Bunker & Mr Green & walked round the cliff path to The Bailey & on to Horsham by the recently made path. Too windy to collect insects anywhere or too hurried, but picked up a few here & there with fingers off wild carrot & one on path near Sutton. Saw the usual plants, *Statice linaria*, *Crithmum maritimum*, *Scilla crithmoides*, *Trigonotis inflata* (on road above the Bailey lighthouse), *Geranium sanguineum*, &c.

The South cliffs & slopes now largely altered & in some cases destroyed by bungalows, foreign plants & refuse — Prof. Bayley Butler's contribution being the most conspicuous, & thorough.

Took the following hymenoptera: — & these labelled 102.53.

Glyptichneumon sp. ♂, ant. 24.

Pimpla sp. ♂, ant. 22.

Centistes gallatorum 2♀♀, ant. 48 & 52.

Small *Tenthredo perkinsi* ♀.

1st Sept 1928. A very nice day after rain & some drizzle on 31st. Drove to Government waterfalls with Mr. Green, Miss Jennie Thomson & Mr. King (Buckley) all being interested in nature. Arrived 12.30 noon & collected by sweeping up slopes W. of the falls, amongst bracken, grass & under the few remaining oaks — all the bracken formerly here now cut & of course no regeneration of the trees possible owing to the deer. Hence the whole deer park now very bare compared to what I remember it in the early 1920s. After lunch went up to cliffs 1/4 mile E. of the falls & swept a little at 600 to 1000 ft. but draughty here & little to sweep.

- 1 = slopes just W. of waterfall, Government Deer park 12.30 — 1.15 PM.
- 2 = slopes 1/4 mile E. of waterfall, 600-1000 ft. 2-4 PM.

Government — Deer park, G.W.I.

Insects taken at 1. (2) mounted from 1 & 2. Labelled 102.53.

Nomada rufipes 2♀♀ on *Succisa jacobaea* flower.

Meloboris curvipes ♂♂ & ♀♀ on ground below falls & cliffs.

Cratichneumon annulatus 2♀♀ frequent about oaks.

Gen. et sp. Vol. 1 ♀ = *Oncophanes pallipalpis*, ant. 24.

Pezomachus sp. ♀, ant. 20.

1.9.48, cont. - Pownsecount DPK, W.I.
Insects taken at 1, cont.

Hamitula sp. ♀, with black, dark wings, 3.5. punctured, surface
Cryptus sp. ♂, 2, ant. 27 =

Pimpla tumidella group 2 ♂♂; not mtd.

Leucospa bellator ♂, ♀, not mtd.

Chorebus auripennis ♂, ant. 34.

Col. sp. 1 ♂, ant. 38.

Polyblastus variator 1 ♂, ant. 38.

Homocidus obscuripes (1) & *H. pulcher* (2 ♂♂) = none mtd.

H. nigritarsis ♀, not mtd.

Proctos *fulvifrons* ♂, not mtd.

Stenomacrus ventralis 2 ♂♂, 3 ♀♀: none mtd.

Mesochorus sp. large ♂, ant. 39.

M. sp. 2 ♂♂, ant. both 33.

Campoplex sp. ♀, not mtd.

Pezomachus ♀, long terebra, ant. 28 =

Campoplegid ♀, ant. 24 = *Cryptus*?

Brachon varietor 2 ♀♀, ant. both 28.

Apanteles glaucipes? ♀

Ap. glaucipes ♀

Meteorus leuciventris 3 ♀♀, small, ant. 23, 25 & bitten off

NB. This very unusual to get a ♀ with less than 25-seg antennae!

1.9.48, cont. Pownsecount DPK, W.I., cont.
Taken at 1, cont.

Blacus ♂.

Microctonus infirmus ♂, ant. 28.

Opius sp. ♂, ant. 25.

Pentapleura angustula & *pumilio* (3 ♀♀, 1 ♂): none mtd.

Alloea contracta 1 ♂, 1 ♀: not mtd.

Phanocarpa picinervis ♂: not mtd.

Aspilota sp. 1 ♂, ant. 2, long terebra, dark antennae, deeply
marked legs.

Loxura areolaris & *nervosa* 1 ♂, mostly ♀♀: see below.

D. sp. *maculipes* ♂, almost smooth antennae, ant. both 22, rounded
legs.

D. laevipalpis ♀, ant. 20.

Aphidius spp. 5, 3 mtd. = *Aphidius dissolutus* ♂, ant. 16 (damaged).

A. sp. 2 minute ♂♂, ant. both 16, long narrow pale legs!

Proctos 4: 6 mtd. =

Chalcids 7: none mtd.

Diapron = *Symphyla* 3

Homopteron =

Sawfly =

1.9.48, cont. Powerscourt Dph, WI, cont.
Taken at 2 [37 mtd from 2 + these labelled 14.2.1953.]
Pezomachus ♂; wing less, ant 34.
Hemiteles apertus ♂: not mtd.
Lissonota cf. *pallipes*? ♂: ant 35; head strongly yellow marked.
Orthocentrus radiatus? ♂: ant 31.
O. cf. asper? 2 ♂♂; ant 24 & 25.
Stenomacrus clausenianus ♀: ant 17, clavate.
Pomphid ♂: ant 36 = *Diaparsus* *antivagus*?
Coelophylus 3 ♀♀, ant 23, 25 & 25 = *Angitia sublaevigata* H?
Microgaster sp. ♂, ant 43.
Phaenocarpa ruficeps ♂: not mtd.
Aspilota aff. 6 = *A. desulifemur* ♀, ant 20, very nice specimen.
A. cf. rubropurpurea? ♀, ant 18. *A. cf. 3* was *synopis*? ♀, long, clavate, ant 21.
A. cf. fuscicornis ♂, ant 23.
A. (Synaldis) sp. not mtd, ♂, ant 24, ant 17. [Left wing of mtd ♂ in lab of H. 1953. Antennae of ♂ at top? See similar ♂♀ listed on p. 119.]
Dacnusa *nana* *reuteri* ♀, ant 38.
D. areolaris group 1 ♂, 1 ♀: not mtd.
Aphidius sp. ♂, ant 17. *Monobotus* *nervosus* ♂ ant 18.
Proctos 8: 5 mounted =
Chalcids, 6 species (8-1-2)
Winged Aphids with young
black stigmas in forewing

5th Sept. 1948 (Sunday). A spoiled day, after a clear cold night (almost frost!): dull in morning, & absolutely windless in Dublin with gently falling glass. Left home in car at 10.30 & ran into fine drizzle immediately, but drove on across the Greenbelt to see road & so to Rathcoole, where blowing about 2 mph from S-SW, though about NW & gentle easterly draught from Kimmage to near Rathcoole. On whole plain & hills covered by misty rain, turned round & came back by Saggart, Portlough & Tallaght, where gale from SE. encountered, but still windless on reaching home. After lunch wind from NW. cleared everything so went out again in car & drove via Old Bawn to road above Jobstown (Marlfield) where left car & walked west & then south up dimed road on east side of valley which runs down to the Embankment & Saggart. After walk tried sweeping sides of road under bridge & edges of field below road & took many small hymenoptera in spite of wet grass & chilly wind. Returned home at 5 P.M. after which stayed all day for rest of evening.
The following insects swept on roadside or round grazing field below road: —
[72 mtd + these labelled 17.2.1953.]

6.9.48, cont. Jobstown, DU, cont.
Deeromyia areolaris & *maculipes* about 6 each
D. longicauda 1 ♀ *D. elegantula* 2 ♀♀
D. aff. 6 = *D. confinis* with ♂, ant. 23.
D. umma, 4 ♂♂ (ant. 33, 38, 36 & 38), 1 ♀ (ant. 36).

D. (Gyrocampa) affinis 1 ♀: not mtd.

Cheilosia conjugens 6 ♂♂, 1 ♀: 1 very black, body mtd. with head very strongly expanded like large, ant. 22.

Ephedrus validus ♂, ant. 11.

Trioxys cf. unicolor ♀, ant. 12.

Aphidina 2 ♂♂ only: not mtd.

Proctos. very abundant: about 28 in number, 5 mtd.

Chalcids & Hymenoptera frequent: about 12 in number, 5 mtd. (3 Hymenoptera).

Cynipids 3, none mtd.

Beetles: 1 full stop with 'further' instead of 'ways'!

Peridroma purpurascens Gyll. fide H.W. Batty.

8th Sept. 1948 A beautiful day after a very wet night. Much very late sun & some light clouds, rain again at 5 PM. Rode on bikes (as petrol scarce!) to Markfield, Old Bawn, & on to same field above Jobstown where collected on 5th Sept. Here swept for 1½ hours in two areas, but grass very wet & it was not possible to sweep all spots swept on 5th & did not sweep sides of road at all. Arrived 3.30 & left for home at 5 PM.

1 = S. edge of grazing field (top end) along road from Markfield.
 2 = E. edge of same field, where drier but windy.

Pasture field above (S of) Jobstown, Co. DU.

Insects taken at 1. [55 mounted & from 2 others labelled 22-23.1948]

Cryptine 18: only 2 mounted = *Phygadeuon* ♂, ant. 21.

Heptamelus areolaris group ♀, ant. 21.

[The 'Pimplinae']

Stenomacrus curvicauda 2 ♂♂ ant. 22 & 23, variable but all with post-5th propodeum, one labelled as ♂, ant. 22.

St. anthracinus ♂, ant. 21. *St. cf. maculicornis* ♂, ant. 24.

St. transiens = *minutus* (Clausen?) large ♀, ant. 24.

Stenomacrus brevicornis ♂ & *Homocidus pubescens* ♂, neither mtd.

Promethes pallidellus ♀: not mtd.

Chalcidius 2 ♂♂, not mtd.

8.9.48, cont. Above Jabstons, DU, cont.
Taken at 1, cont.

Mesoleid 1? not mtd.

Mesochorus 1 ♀, ant. 31.

"Aspilota" caeculata ♀, not mtd.

Euclyptus cf. olivaceus ♀, ant. 17. Polysphincta cf. fusipes ♂, ant. 18.

Rhyssalus clavatus ♂.

Rhyssalus nigripes ♂, ant. 42.

Meteorus leucostoma ♀, ant. 25.

Blacus ruficornis 10♂, 1♀, not mtd.

Opius ruficornis 2 mtd. O. irregularis about 5? none mtd.

O. exilis ♂, ant. 24. O. cf. ... ♂, ant. 22.

O. sticticus m. 242, ant. 22+24. O. parvulus ♀, ant. 31.

O. cf. fumosus var. with dark ant. + abd. 242, ant. 24+25. (one with almost striate dimple!)

Proctos. procerus 20♂, 1♀.

Alloea contracta ♂: not mtd. Targuipe mitis ♂, ant. 30.

Alysiid bipulac ♂, ant. 41.

Pentapleura fuliginosa 3♂♂: 2 mtd, ant. 29+30.

P. angustula common 2♂♂ P. pusillus 1♂: not mtd.

Aphaeneta major ♂, damaged: A. tenuicornis ♀, ant. 19.

Phaenocarpa flavipes 20♂♂, ant. 29+31. Ph. rufipes 20♂♂, not mtd.

Ph. piceicornis 20♂♂, not mtd.

8.9.48, cont. Jabstons, DU, cont.
Taken at 1, cont.

Aspilota sp. including A. dentifera 30♂♂, ant. all 22.

A. cf. ... small ♂, ant. 22.

A. ... 4 small ♂♂ (2 very small?), ant. 16, 17, 18+19.

A. ... 3 small ♀♀ (one with dark petiole), ant. all 16; one with white back!

A. ... ♂, ant. 19. A. (Synaldis) temporalis m. ♀, ant. 15.

Dacnusa areolaris, pubescens & ... all frequent.

D. cyclops 1, not mtd. D. elegantula 2, not mtd. D. aphanta 2, not mtd.

D. ... 30♂♂ (ant. 26, 27, 28), 1♀ ant. 36. D. ... ♂, not mtd. D. gilvipes ♀, not mtd.

D. (G.) affinis 1♂, 1♀: none mtd.

Chorebus conjugens 12 (♂♂ & ♀♀): none mtd.

Coelinius sp. ... 2 small ♂♂, ant. 38+39.

Ephedrus plagiator ♀, ant. 11. Monoctonus rarus 1♂, small, ant. 16.

Triclistus sp. ♀, ant. 24. Aphidius sp. ♂, not mtd.

Proctos. Very common: 3 mtd. =

Chalcids. Very common: 2 mtd, all =

Cynipids 1, not mtd.

Sawfly 1 = Ametastegia ... ♀

8.9.48, cont. Above Loblaw, L.H., cont.
Taken at 2. [22 from 2 mounted & three labelled 25.2.1953]

Cryptinids 10: 2 only mounted = *Phygadeuon*, large ♂, ant. 27
Hypocryptus ♀, ant. 16. =

Pimpla brevicornis ♀.

Stenomacrus cf. *pallipes*, small ♀, ant. 24. *S. curvicauda* ♂, ant. 25.

St. cf. *intermedius* ♀, ant. 24.

St. *minuta* 3 ♂♂, ant. 26, 24 & 24; one of latter 1st tergite 2 small, 1st & 2nd coxae at base.

Polyblastus ♂, ant. 27; black femora; ant. 27.

Angitia? ♂, ant. 21. *A.*? ♂, ant. 30. *hirsuta* ♂, ant. 30.

Meloboris ♂, ant. 30.

Apanteles falcatus ♀, not mtd.

Meteorus carinatus ♀; ant. 25; mtd. on its back.

M. cf. *preligator*? ♀, ant. 21; face not removed as in *reinator*.

Meteorus 2 ♂♂, 1 ♀ = *M. confusus*? *Spilobolus* only.

33-seg. *extensor*; ♂, ant. 36 & 36. 2 others 3 spp. under the name.

Opius irregularis 2 ♂♂. *Bracon* *procerus* 2 ♂♂, not mtd.

Pentapleura angustula 3, not mtd.

Phaenocarpa pumilio 2 ♂♂, not mtd.

Ph. conspurcator ♂, not mtd.

Ph. lucida ♂, not mtd.

8.9.48, cont.

Taken at 2 cont.

Aspilota *truncata* ♂, not mtd.

Dacnusa areolaris, *longicauda*, *laevipennis*, *pulchra*, *clavicornis* & *diversa* & *maculipes*, all examined. *new mtd.*

D. confusa ♀, ant. 23.

D. (G.) affinis 3 ♀♀, not mtd.

Colletes conigerus 2 ♂♂, 1 ♀, not mtd.

Cochlius n. sp. ♂, ant. 30.

Monocentrus curvis ♂, ant. bitten.

Aphidius spp. 4 ♂♂, none mtd.

Proctos 4: only 1 mtd. =

Chalcids 3 } none mtd.

Cryptids 2.

19th Sept. 1948. After a fine day & promise of fine weekend, a dull morning. Started out in car, George, Daisy & I, at 10.30 A.M. & we straight into wet mist & drizzle before reaching main road & very wet, with wet roads, by the time we reached Rathcoole; wind strong SW.W. Took the Kilted - Rathmore road & stopped for half an hour to collect under shelter of trees on roadside at Johnstown House, Co. DU. Then drove on to Glendine, 2 miles NW of Blessington. Rain arrived at 12 noon. Left car at S. end of the "glen" & walked up lane which leads SW. over hill to Newtown; collected blackberries & crab apples in lane & returned to car for lunch at 1 P.M. During this period just a light wet mist or faint drizzle, but as soon as lunch over, I tried collecting in wood on Co. WI. side of the KD-WI boundary. Heavy wet drizzle came from S. & wet everything. Nevertheless swept on & under several laurel trees for half an hour & then drove home via Blessington & Brittas. Roads flooded at Blessington but from Brittas to Dublin drier & drier & quite dry from Tallaght, though windscreen of car kept

19 9 48, cont.

set by mist, but no real rain had fallen in Dublin & none fell during afternoon.

Red spiders very active, usual to our surprise, & many bites by 4 P.M.!!!

Collected in two areas as follows -

1 = roadside at Johnstown House, about 2 miles S. of Rathcoole on Kilted - Rathmore road. 11-11.30 A.M.

2 = Under beech & amongst young ash in wood on east side of Glendine, at S. end of glen, Co. WI. 1.15 to 1.45 P.M.

Johnstown, S. of Rathcoole, Co. DU.

[32 mtd. & one labelled 20.2.1948]

Insects taken at 1.

Oiochneus pallipalpis 1♂, 1♀, ant. 26 & 23.

52 mtd. sp., including *Pezomachus*, *Leptomyza* & *Staphylinus*: 4 mtd. =

Pezomachus *longicornis*, ant. 21. P. ♂, winged, ant. 22.

Hemiteles sp. ♂, ant. 23. H. ♀, ant. 22.

Pimpla tarsator group ♂, ant. 31, tricoloured hind tibiae =

P. quadridentata ♂, ant. 25.

Orthocentrus protuberans ♀, ant. 31.

Stenomacrus mutabilis 1♂, 1♀, not mtd.

Polyblastus sp. ♂ & ♀, ant. 27 (♂) & 28 (♀), black femora, red abd.; no. counted.

19. 9. 48, cont. Johnston, Du., cont.
Taken at 1. cont.

Mesochorus ♀: not mtd.

Campoplegid 2 = *Phaeoventer transpago* 10? 1 ♀, ant. 28 & 32

Plectiscids 10, 1 ♀, ant both 19 = *Pterilaptes* ♂ ♂

2. *Plectiscus* ♂ ♂

Colastes braconius 2 ♀♀

Rogas circumscriptus ♂, dark (blackish like *nigricornis*!) ♂, ant. 39.

Apanteles fulvipes ♀: not mtd.

Stenomacrus paganus ♀, ant. 17.

Opius cingulatus 2 ♂♂, not mtd.

O. cf. strabus 2 ♀♀, ant. 22 & 24

Adelius flaviventris 1: not mtd.

Aspilota sp. 5 = *A. cf. nearcticus* (H. (2) 20 6-46. 10? 26.

A. cf. fuscescens ♂, ant. 23. *A. fuscescens* ♂, ant. 28, ♀, ant. 25.

Orthocentrus ♂ ♂, ant. 20.

Dacnusa pubescens ♂ ♂ *D. longiradialis* ♀

D. longiradialis about 5 ♀♀. 2 adducts ♀-22 *D. elegantula* ♀.

D. areolaris ♀, ant. 26.

[No *Stenobothrus*!]

Proctos. 18: 5 mtd. =

Chalcids 7: none mtd. Cynipids 1: not mtd.

19. 9. 48, cont. Glendinning Wood, Co. WI.
Taken at 2. [2 mtd. from 2 + those labelled 28. 2. 1953.]

Athalia cordata ♀: not mtd. *Pezomachus* ♂ ♂, ant. 19.

Leptocryptus ♂ ♂ ♂ common. 2 ♂♂, ant. 24 & 27; 2 ♀♀, ant. 22 & 23.

Monileter ♂ ♂. 3 ♀♀, red lined half of antennae, not mtd.

Stenomacrus ventralis 2 ♂♂ bright ♂♂, not mtd.

Campoplegid ♂ same as at Johnston (1): not mtd.

Apanteles ♂: not mtd.

Colastes braconius 4 ♀♀: not mtd.

Orthocentrus ♂ ♂, ant. 19.

Dacnusa areolaris ♂, ant. 25: = com.

D. longiradialis 2 ♀♀: not mtd.

Proctos. 9: 3 mtd. =

Leptocryptus 1 orange *Myctophidius*?, with fuscous marked wings

22nd Sept. 1948. A fine but dull morning after two very cold days, but much sun in afternoon of 21st, turning mild & dull at 2 P.M. with strong W. wind suddenly backing to SW & forming rain with heavy drizzle for nearly an hour, then beautifully fine & later rain again with no wind.

Brown in afternoon to top of Glendinning Wood. W. side & collected under trees where dry from 3.30 till 4.15 & filled two racks. Small *Hymanoptera* very plentiful, especially Proctos.

22.9.48, cont. Slide of Tappart, Co. DU.

- 1 = Under trees along roadside near top of the Slide, W. side.
2 = Under trees between road & old road near foot of the Slide, W. side.

Slade of Sappart. DU.

Stenocranus ^(new species) *compressus* $\frac{1}{2}$, ant. 20 ^(seg 3 small) $\frac{1}{4}$ ^(4th 4) $\frac{1}{2}$

Mesochorus 12: not added

22.9.48, cont.

Taken at 1. cont

glauco, in pinnis f. n. et m.

A. r. occulta var. *occulta* A. J. S. 1888. 1889. 1890. 1891. 1892. 1893. 1894. 1895. 1896. 1897. 1898. 1899. 1900. 1901. 1902. 1903. 1904. 1905. 1906. 1907. 1908. 1909. 1910. 1911. 1912. 1913. 1914. 1915. 1916. 1917. 1918. 1919. 1920. 1921. 1922. 1923. 1924. 1925. 1926. 1927. 1928. 1929. 1930. 1931. 1932. 1933. 1934. 1935. 1936. 1937. 1938. 1939. 1940. 1941. 1942. 1943. 1944. 1945. 1946. 1947. 1948. 1949. 1950. 1951. 1952. 1953. 1954. 1955. 1956. 1957. 1958. 1959. 1960. 1961. 1962. 1963. 1964. 1965. 1966. 1967. 1968. 1969. 1970. 1971. 1972. 1973. 1974. 1975. 1976. 1977. 1978. 1979. 1980. 1981. 1982. 1983. 1984. 1985. 1986. 1987. 1988. 1989. 1990. 1991. 1992. 1993. 1994. 1995. 1996. 1997. 1998. 1999. 2000. 2001. 2002. 2003. 2004. 2005. 2006. 2007. 2008. 2009. 2010. 2011. 2012. 2013. 2014. 2015. 2016. 2017. 2018. 2019. 2020. 2021. 2022. 2023. 2024. 2025. 2026. 2027. 2028. 2029. 2030. 2031. 2032. 2033. 2034. 2035. 2036. 2037. 2038. 2039. 2040. 2041. 2042. 2043. 2044. 2045. 2046. 2047. 2048. 2049. 2050. 2051. 2052. 2053. 2054. 2055. 2056. 2057. 2058. 2059. 2060. 2061. 2062. 2063. 2064. 2065. 2066. 2067. 2068. 2069. 2070. 2071. 2072. 2073. 2074. 2075. 2076. 2077. 2078. 2079. 2080. 2081. 2082. 2083. 2084. 2085. 2086. 2087. 2088. 2089. 2090. 2091. 2092. 2093. 2094. 2095. 2096. 2097. 2098. 2099. 2100. 2101. 2102. 2103. 2104. 2105. 2106. 2107. 2108. 2109. 2110. 2111. 2112. 2113. 2114. 2115. 2116. 2117. 2118. 2119. 2120. 2121. 2122. 2123. 2124. 2125. 2126. 2127. 2128. 2129. 2130. 2131. 2132. 2133. 2134. 2135. 2136. 2137. 2138. 2139. 2140. 2141. 2142. 2143. 2144. 2145. 2146. 2147. 2148. 2149. 2150. 2151. 2152. 2153. 2154. 2155. 2156. 2157. 2158. 2159. 2160. 2161. 2162. 2163. 2164. 2165. 2166. 2167. 2168. 2169. 2170. 2171. 2172. 2173. 2174. 2175. 2176. 2177. 2178. 2179. 2180. 2181. 2182. 2183. 2184. 2185. 2186. 2187. 2188. 2189. 2190. 2191. 2192. 2193. 2194. 2195. 2196. 2197. 2198. 2199. 2200. 2201. 2202. 2203. 2204. 2205. 2206. 2207. 2208. 2209. 2210. 2211. 2212. 2213. 2214. 2215. 2216. 2217. 2218. 2219. 2220. 2221. 2222. 2223. 2224. 2225. 2226. 2227. 2228. 2229. 2230. 2231. 2232. 2233. 2234. 2235. 2236. 2237. 2238. 2239. 2240. 2241. 2242. 2243. 2244. 2245. 2246. 2247. 2248. 2249. 2250. 2251. 2252. 2253. 2254. 2255. 2256. 2257. 2258. 2259. 2260. 2261. 2262. 2263. 2264. 2265. 2266. 2267. 2268. 2269. 2270. 2271. 2272. 2273. 2274. 2275. 2276. 2277. 2278. 2279. 2280. 2281. 2282. 2283. 2284. 2285. 2286. 2287. 2288. 2289. 2290. 2291. 2292. 2293. 2294. 2295. 2296. 2297. 2298. 2299. 2300. 2301. 2302. 2303. 2304. 2305. 2306. 2307. 2308. 2309. 2310. 2311. 2312. 2313. 2314. 2315. 2316. 2317. 2318. 2319. 2320. 2321. 2322. 2323. 2324. 2325. 2326. 2327. 2328. 2329. 2330. 2331. 2332. 2333. 2334. 2335. 2336. 2337. 2338. 2339. 2340. 2341. 2342. 2343. 2344. 2345. 2346. 2347. 2348. 2349. 2350. 2351. 2352. 2353. 2354. 2355. 2356. 2357. 2358. 2359. 2360. 2361. 2362. 2363. 2364. 2365. 2366. 2367. 2368. 2369. 2370. 2371. 2372. 2373. 2374. 2375. 2376. 2377. 2378. 2379. 2380. 2381. 2382. 2383. 2384. 2385. 2386. 2387. 2388. 2389. 2390. 2391. 2392. 2393. 2394. 2395. 2396. 2397. 2398. 2399. 2400. 2401. 2402. 2403. 2404. 2405. 2406. 2407. 2408. 2409. 2410. 2411. 2412. 2413. 2414. 2415. 2416. 2417. 2418. 2419. 2420. 2421. 2422. 2423. 2424. 2425. 2426. 2427. 2428. 2429. 2430. 2431. 2432. 2433. 2434. 2435. 2436. 2437. 2438. 2439. 2440. 2441. 2442. 2443. 2444. 2445. 2446. 2447. 2448. 2449. 2450. 2451. 2452. 2453. 2454. 2455. 2456. 2457. 2458. 2459. 2460. 2461. 2462. 2463. 2464. 2465. 2466. 2467. 2468. 2469. 2470. 2471. 2472. 2473. 2474. 2475. 2476. 2477. 2478. 2479. 2480. 2481. 2482. 2483. 2484. 2485. 2486. 2487. 2488. 2489. 2490. 2491. 2492. 2493. 2494. 2495. 2496. 2497. 2498. 2499. 2500. 2501. 2502. 2503. 2504. 2505. 2506. 2507. 2508. 2509. 2510. 2511. 2512. 2513. 2514. 2515. 2516. 2517. 2518. 2519. 2520. 2521. 2522. 2523. 2524. 2525. 2526. 2527. 2528. 2529. 2530. 2531. 2532. 2533. 2534. 2535. 2536. 2537. 2538. 2539. 2540. 2541. 2542. 2543. 2544. 2545. 2546. 2547. 2548. 2549. 2550. 2551. 2552. 2553. 2554. 2555. 2556. 2557. 2558. 2559. 2560. 2561. 2562. 2563. 2564. 2565.

A. macularia's small ♀, ant. 16.

Prison volume 9 26	Aphidion	100	not	at
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22.9.48, cont. Slade of Saggart, Dbl., cont.

Taken at 2. [41 mtd. from 2 & three labelled 4.3.52.]

Cryptine 7, including *Pezomachus* sp. ♂, ant. 22.
Attractodes sp. ♂, ant. 22. *Stenopoma* sp. ♂, ant. 22.

Stenopoma ventralis 2 ♂, ant. 22. 2 other (♂♂) = *St. pallipes* ♂, ant. 29.

St. curvulus Th. ♀, ant. 23. *St. melanostigma* sp. ♂, ant. 22.

Pezomachus *naticoides* ♀, ant. 29.

[No other Ichs!]

Only dried skin of caterpillar from which *Pezomachus* had emerged!

Metacoelus pilator ♀, ant. 22.

Bracon ruficornis 2 ♂♂, 1 ♀, none mtd.

B. areolaris ♀, short wings, ant. 20.

Microgaster 3 ♂♂, 2 ♀♀ (ant. 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100).

Pentapleura pinnata 1 ♀, not mtd.

Aspilota nervosa Hal. among fine ♀, ant. 26. *A. dentifrons* ♀, ant. 18.

A. cf. cynipidis small ♀, ant. 17. *A. cf. fuscescens* 1 ♂ (ant. 23), 2 ♀♀ (ant. 17, 18). *A. cf. nuda* (ant. 19) ♂, ant. 19.

A. cf. fuscescens 1 ♂ (ant. 23), 2 ♀♀ (ant. 17, 18). *A. cf. nuda* (ant. 19) ♂, ant. 19.

A. cf. fuscescens 1 ♂ (ant. 23), 2 ♀♀ (ant. 17, 18). *A. cf. nuda* (ant. 19) ♂, ant. 19.

A. cf. fuscescens 1 ♂ (ant. 23), 2 ♀♀ (ant. 17, 18). *A. cf. nuda* (ant. 19) ♂, ant. 19.

A. cf. fuscescens 1 ♂ (ant. 23), 2 ♀♀ (ant. 17, 18). *A. cf. nuda* (ant. 19) ♂, ant. 19.

A. cf. fuscescens 1 ♂ (ant. 23), 2 ♀♀ (ant. 17, 18). *A. cf. nuda* (ant. 19) ♂, ant. 19.

22.9.48, cont. Slade of Saggart, Dbl., cont.

Taken at 2, cont.

Aspilota (*Synaldis*) ♀, ant. 18. *A.* (5) ♀, ant. 17.

Dacnusa longicauda ♀ [the only one of *Rhagothrips* group!]

D. areolaris 3 (2 ♂♂, 1 ♀), ant. 37, bitten off, = 34 (♀).

D. areolaris ♀, ant. 27.

[No Aphididae!]

Proctos. very abundant: about 25 in numbers: only 1 mtd.

Chalcids 8 } none mtd.
Cynipids 2 }

23rd Sept. 1948 (Thursday). A fine day, warm & almost windless, with some short hot sunbursts, after a very wet night & morning. Went with Rev K. M. Dunlop to Skerries Bog, N of Athy, Co. KD. where arrived at 11.30 AM & stayed till 4.25. No rain while we were there, but rain only ceased shortly before we arrived & everything very wet. Collected by sweeping birch & *Salix* about a mile NE. of Kilberry & east of the railway in same place as on 19.9.1946. Hymenoptera very scarce.

23.9.48, cont. Skerrin Bog, N. of Ath., Co. KD.

Birch & willow scrub, a few hundred yards E. of rail. way

& about 1 mile NE. of Killybeg, 11.30 till 1 PM & 2 till 4.20 PM

Taken at 1 between 11.30 AM. & 1 PM. (63 mtd. from 1 & then labelled 8.3.53)

Vol. 1 Feb. 20.08 = *Phaenocarpa* *pallidus* sp. n.

Phaenocarpa *pallidus* sp. n. ♂, ant. 26

Cryptids 8 & all mtd. = *Cryptus* sp. ♂, ant. 26

Leptocryptus mtd. sp. 2 ♂, ant. both 26. (1 mtd. sp. 2 ♂, ant. 26)

Microgaster sp. 1 ♂, ant. 26. H. sp. ♂, ant. 26

H. sp. ♀, ant. 26. *Microgaster* sp. ♂, ant. 26

Pimpla *hericoma* 5 ♀♀ & *P. depontis* 2 ♀♀ mtd.

P. hericoma ♂ (ant. 26) & small, mtd. & large ♀♀ (ant. 26, 27 & 28)

P. hericoma ♀, ant. 27

Stenomacrus *arcuatus* m. ♀, ant. 23. St. sp. ? ♂, ant. 26

St. *hericoma* mtd. 2 ♂♂, ant. both 23.

Exochus sp. mtd. Schmid ? ♀, ant. 26

Polyblastus *rubra* ♀, ant. 29

Leptocryptus sp. mtd. sp. ♀, ant. 31

Microgaster sp. mtd. sp. ♂, ant. 26. (2 ♂♂, ant. 26 & 27)

no mtd. =

23.9.48, cont. Skerrin Bog, KD, cont.

Taken at 1, cont.

Campoplex sp. ♂, larger, ant. 39. Black & orange abd.

C. sp. ♂, ant. 47. Small, ant. only 47. Possibly a different sp.

C. sp. ♀, black & orange abd., ant. 35

Campoplex 3 = *Campoplex* sp. mtd. sp. ♂, ant. 26

Microgaster sp. ♂, ant. 35. *Microgaster* sp. ♂, ant. 26

Parasus *hericoma* ♀, ant. 20

Microgaster sp. ♀, ant. 23

Plectiscus sp. ♀, ant. both 20 =

Bracon *discreta* 2 ♀♀, mtd. sp. ♂, ant. 25, tergite 2 with strongly 2

Colastes *hericoma* 3 ♀♀, ant. 27. *Colastes* *hericoma* 1 ♀, ant. 29.

C. *pallidus* sp. n. 1 ♀, ant. 34. *Colastes* *pallidus* sp. n. 1 ♀, ant. 34. (2 ♂♂, ant. 34 & 35)

Oncophanes *hericoma* 2 ♀♀, ant. 21 & 24

Rogas *anthracinus* 1 ♀, ant. 38

Microgaster *pallidus* ♀, ant. 30

Gnaptodius *pumilio* 2 ♀♀, ant. 31 & 32

Torymus *exilis* 1 ♂, 1 ♀, ant. both 22

Aspilota sp. mtd. sp. ♀, ant. 18. *Aspilota* sp. mtd. sp. ♀, ant. 18.

[X mtd. sample *Diapriid*!] *A. sp. nigrescens* ♀, ant. 19. (ant. 11, black!)

Ephedrus *hericoma* 1 ♀, ant. 26

Exochus (*Gyrocampa*) *exilis* ♂, ant. 32

23.9.48, cont. Skerrin Bog, KD, cont.
Taken at 1, cont.
Beetles 6 all =

Chalcids 7 none mtd.

Cynipids 5: only mtd. =

Diptera 2 = *Lonchaea clarea*? ♀ & *Tephritis pulchra*?

Hemiptera 1 =

Coleoptera *Chilocara testacea* common 12 mtd.

Wasp on fly *Euphorus* section 1 small spec.

Bumble Bee 1 fresh ♀ *Bombus agrorum*

& 2 more, ♂♂ *agrorum* only

No wasps seen!

May supply larvae seen & far taken
for Farin

Dunlop took many lepidoptera larvae but
failed to get any of his desired *myzanthidii*
though I think I got a few in on very
young larvae of this.

23.9.48, cont. Skerrin Bog, KD. [5321, from 1st time
collected 23.9.53]
Taken at 2 (same area as No. 1) 2.0 till 4.15 PM.

Phaenocarpa fulvipes ♀, ant. 24.

Gen. of sp. ? ♀, ant. 20, round head, ♂ = *Micrope* *maculipes* *Bl.* ^{new to British list!} _{subsequently revised by J. H. Ashmead in 1953.}

Cryptine 11 = *Leptogaster* ♀, ant. 24. *Leptogaster* ♂, ant. 24.

Hemiteles *curvicauda* ♀, ant. 24. *Hemiteles* ♂, ant. 24. *Hemiteles* ♂, ant. 24.

Pezomachus ♂ 229, ant. 19, 20, 21. *Pez.* ♂, ant. 20.

Pez. ♂, ant. 20. *Pez.* ♂, ant. 20.

Pimpla defensor 3 ♂♂. [2 mtd. 1 with *Myrmica* ♂, ant. 24.]

Colpocampa quadricolor ♀, ant. 24.

Polyblastus tuberosus ♀, ant. 24.

Stenomacrus ♂ 4 = *Stenomacrus* ♂, ant. 24, 27, 31.

St. pubescens ♀, ant. 24, 27, 31, very like the 3 above (but basal flagella segments longer & darker).

Orthocentrus of *fulvipes* ♂, ant. 20, basal flagella segments rounded.

Picrostigma? ♂, ant. 26, pupation smooth & polished.

Oeniscus ♂ 2 (♂♂?), ant. 24, 26.

St. gnathogaster? ♂ (♂?), ant. 20.

Oedemopsis scabricula ♀, ant. 25.

Saundersia *neglecta* ♂, ant. 24.

Mesoleius ♂, ant. 31, mtd. 1 specimen.

M. ♂, ant. 31, mtd. 1 specimen.

M. ♂, ant. 31, mtd. 1 specimen.

M. ♂, ant. 31, mtd. 1 specimen.

23.9.48. cont. Skerrin Bog, KD. cont.

Taken at 2, cont.

Mesochorus sp. ^{ant.} 34.

Campoplegid 1 = *Nepesula*? ^{ant.} 22.

Pezomachus 1 ♂, ant. 25 =

Oncophanes minutus small ♀, ant. 22. *O. lanceolator* larger? ^{ant. 23.}

Apanteles circumscriptus ♀, small - Very small!

Rogas circumscriptus ♂, ant. 41; slender mainly (tergites) today

Meteorus cf. *ichneumon* ♂, ant. also not!

Eulophus californicus ♂: not mtd.

Opius longicaudatus m. ♂, ant. 31; very nice specimen!

Microgaster pusillus 7 (♂ & ♀♀) none mtd.

Campoplex sp? ♀, ant. 22; new species? & *chrysos*?

A. p. n. minutus? ♂, ant. 21, about half size of *A. p. fuscicornis* ♂, ant. 22. ^{antennae proportionately smaller; palpi 4 seg.}

Dacnusa (*hyalina*-like) 1 ♂, ant. 23 & 1 ♀, ant. 27. ^{small, ant. 27.}

Probably swept on edge of marsh by car.

Praon volucre ♀, ant. 22.

Proctos 14: 6 mtd. =

Chalcids 10, minute: none mtd.

Cynipid 1: not mtd.

Weevil, small, reddish

Colletes = *subcylindricus* Hal. ^{file 4 W Dalby}

25.9.48. *Apanteles lateralis* ♀ & another which is reared from puparia by E. J. O. Morgan from larva taken at

26.9.48. *Hametia* 1 ♀ taken in back garden in Clareville. *Hametia* ♂, ant. 22, moving on plant of *Silene* *maritima* in pot.

27.9.48. *Nematus canescens* ♀ taken on windows in net *Triclistus*, Dublin.

27th Sept. 1948. Very mild, dull, humid morning; cloud moving from SW-W, but gentle E breeze in Clareville Rd. from 8 to 10 AM. Very large flock of *Alcedo* over Clareville Rd. at 9.30 AM, flying but apparently also moving southward; flying low over houses & so far as I could see all were House Martins.

R. C. Farin in town for week-end from Carron & at 11 AM. drove in his car to Athdown, Upper Liffey, W.D., in spite of rising SW. wind & signs of coming rain: ran into drizzle almost at once which increased as we approached Brookhills & then lightened again, but thick misty rain at Athdown. Stopped above the footbridge & walked across river & through Farin *Rubus nemorosus* (which had with a lot of fruit in it this year & tasted of various things but not blackberry!), *Vaccinium myrtillus* & *Oxycoccus major*. Later drove on to Kippure Ho. & had lunch in car, after 1/2 hour's walk up military road (to back) towards Kiltinle camp. After lunch as only light rain falling in the wind spent 1 1/2 hours sweeping back, Salix, etc. below the road & between road & military road; *Stenomacrus ventralis* in great abundance & *Lyneptus* particularly abundant on small oaks between the two roads. Home about 4.30 P.M.

Tangara anilla ♂, ant. 24.

Quercus laevis 799: not mtd.

2. *Conjunctiva* 19: not mtd.

Ephedrus brevis 26, mostly 29: 7 mtd. of which 1 ♂, 3 ♀♀
are obviously *brevis*, but 2 smaller ♂♂ of a weaker form! (not all 11).

Preator. & all Scaphyds! None mtd.

Chalcids 9: none mtd.

by itself, abundant, about 12 in number, none old.

Moth: not mtd

[30 minutes & then labelled 20.3.1953.]

Dyspates praenator ♀: 1st seen this year! Not mtd.

Colletes breconensis = *sp.* = not valid. new to Britanna list

29. 9. 48, cont. Lucas, DO, cont.
Opisus irregularis 4 ♂♂ & *O. crenatus* 2 ♀♀ none with
O. irregularis 4 ^{not} _{with} & 3 other specimens =
O. crenatus 1 ♂, 2 ♀♀, ant. 26 (♂) & 27 (♀).

Adelura apia 4 ^{ant} ₄₉. *Phaenocarpa confusata* 4 ^{ant} ₄₉.
Aspilota cf. *fulvicornis* ♂, ant. 29. *A. ruficornis* 1 ♂, 1 ♀, ant. 29 & 30.
 & 6 other specimens = *A. consularis* ♀, ant. 16.
A. cf. *cynipidis* ♀, ant. 16. *A. lyes* 4 ♂♂, ^{AWS 9.10.1950!} _{ant. 20} & 20 ^{ant. 20}
A. sp. 2 ♂♂, ant. 22 & 23, upper segments, simply, 23.
Dacnusa pubescens 1 ♀, *D. areolaris* ♀, *D. maculipes* ♀.
D. campestris 1 ♂, 1 ♀. *D. longicauda* 2 ♀♀.
D. aphanta 1 ♀. *D. elegantula* 2 ♀♀. *D. gilvipes* 8 (♂♂)
 & 7 other specimens = *D. areolaris* small ♂, ant. 32.
D. tarsata ? ♀, ant. 24. *D. discolor* ? ♀, ant. 23.
D. aphanta small ♀, ant. 22. *D. melanura* ♀, ant. 24.
D. confinis ♀, ant. 23.
Praon dorsalis 1 ♀, with *testaceum* abdomen. the only *Aphidius* seen.
Proctos abundant: about 2 dozen in each; 2 spp. =

Chalcids 12 in each: 1 *Myrmica* etc. =
Cynipids 2 } Beeth. *Pogonocherus* (smaller species).
_{not with}

30th Sept. 1948. A most glorious day after a misty
 early morning. Took day off & lying car up for
 winter & not paying tax for road grant, & drove
 to Devils Glen, Wk, where arrived about
 noon & walked up to head of glen & had
 lunch in open at 12.20. After lunch swept
 till 4 P.M. in 3 areas as follows:—

- 1 = Upper part of glen & mainly above & just
 below the zigzag road
- 2 = lower ground gate by mixed hedge (where the
 wood stops!) & chiefly in swampy places by
 tributary stream from north.
- 3 = side of avenue from 2 to foot of glen.
 Where car left.

Butterflies seen during day:— Very many *Drachet* & *Wood*,
 a very few *Peacocks*; one *Red Admiral* at lunch
 place flying towards the hills, i.e. SW-W; one
 fresh *Small Copper* near same place.

Bumble Bees seen:— *Bombus agrorum* very many ♀♀
 at heather & *Scabiosa succisa*; *B. lucorum* 1 ♀, 1 ♂
 & a few ♀♀, the latter at *Erica cinerea* near lunch place.
B. jonellus 1 ♂ & 1 ♀, at *Erica cinerea* with lunch.
Wasp - *Vespa vulgaris* ♂ & ♀ frequent.

Can refer to some *Chalcids* & some *Dacnusa* for *Myrmica* & *Proctos*?

30.9.48, cont. Devil's Glen, WI., cont.

Insects taken at 1. [12 mtd. from 1 & these labelled 23.2.53.]

Large ♀, abd. vol. 1 = *Stenobothrus calceatus* ♀, ant. 34.
Stelisma gazetia ♂
Stenobothrus maculata ♂, ant. 28. *St. melanostigma* n. ♂ ^{ant. 22.}
Orthocentrus protuberans ♀, ant. 31.
 Ichneumonid, large ♀, long terebra = *Diaparsus subulator*, ant. 21.

Colletes brevicornis 3 ♀♀, one large with pretty annulate tergite 1 mounted, ant. 30.

Eubodysmus catorum 1 ♂, 2 ♀♀: not mtd.

Guanyptoda punctata ♀, ant. 23

Aspilota albescipes ♀, ant. 23, mouth prepubescent, length 7.

Proctos. 7: 3 mtd. =

Chalcids 2: not mtd.

Shield Bugs 2 spp.: not mtd. *Colletes* 2 = *Microcolletes rufus* Pz. ^{♀, ant. 19}
 2 *Triclistus leucidus* att. but labelled (3)

Taken at 2. [26 mtd. from 2 & these labelled 23.3.53.]

Cratichneumon annulator? ♀: not mtd.

Phaenogeniids 2 ♀♀ of same sp. = *Obiorhinus pallipalpis* ^{ant. 23 & 24}

Cryptine 7, including *Stelisma gazetia* ♂: not mtd.

Pezomachus rufus ♂ ^{ant. 21} not mtd. ♂ ^{ant. 21} mtd. ♂ ^{ant. 21} mtd. ♂ ^{ant. 21} mtd. ♂ ^{ant. 21} mtd. ♂ ^{ant. 21} mtd.

30.9.48, cont. Devil's Glen, WI., cont.

Taken at 2, cont.

Microcryptus? ♀, ant. 25, *Microcryptus rufus*
Microcryptus ♀, ant. 22.
Microcryptus? of *antennatus* group? ^{♀, ant. 22.} (cf. *Microcryptus rufus*)
Microcryptus (*Lophocryptus*) *semicaligatus* ♂, ant. 53.
Dacnusa areolaris ♀: not mtd.

Dacnusa ♂ = *Dacnusa*? ♀, ant. 21.

Aspilota ♀, ant. 20.

Phaenogenia ♂, ant. 19.

Colletes brevicornis ♂, ant. 30.

Colletes brevicornis 3 ♀♀: not mtd.

Apanteles latialis ♀. *Blacus trifidus* 2 ♀♀. ^{1 mtd., ant. 19}

Microgaster pilator ♀, ant. 22, mounted on its back

Opius longicornis ♀, ant. 25.

Chasmodon apterus ♂, small, ant. 19.

Aspilota 2 ♂♂ = *A. cf. parvus* of ant. 20. *A. parvus* ♂, ant. 20.

Dacnusa areolaris 2 ♀♀. *D. pubescens* ♀, small.

D. stramineipes ♂ ^{ant. 26} *D. glauca* ♂ ^{ant. 26} *D. melanocera* ♂ ^{ant. 26}

D. confinis ♀, ant. 23.

Aphidius cf. chrysanthemi var. ♀, ant. 15, but very small.

Proctos. abundant, about 25 in number: 5 only mounted: -
Cryptoserphus parvulus ♀ 2.

30.9.48, cont.
Taken at 2, cont.
Rocks.

Devils Glen, WI, cont.

Coleopt. 3

Taken at 3. [3 mounted from 2 & then labelled 26.2.53.]

Cratichneumon annulator ♀? not mtd.

Cryptinid 13, ^{6 mtd.} including *Pezomachus rufipes* 3 ♀♀ not mtd.

Pezomachus sp. ant. broken.

Microctonus group ♀, ant. 21. *H. politus*? ♀ ant. 22, large red.

Phygadeuon? ♀ 24 ♀, ant. 20.

Atractodes sp. ♀, not mtd., ant. 24.

Pimpla flavicornis? ♀ not mtd.

Orthocentrus signatus ♂, ant. 26. *Orthocentrus protuberans* ♀ not mtd.

Stenomacrus sp. near *calceus* ♂, ant. 22 = *Ortho. asper*? ^{taken}

Stenomacrus ventralis 2 ♂♂, 3 ♀♀ not mtd.

Gnath. sp.? near *trichistus* ant. 24.

Polyblastus wahlbergi ♀, ant. 28.

Mesochorus sp. ♀ not mtd.

Campoplegid 2 = *Dioctus emarginatus* ♀

& 1 ♂? neither mtd.

30.9.48, cont. Devils Glen, WI, cont.

Taken at 3, cont.

Proctos. praetor ♀ ^{ant. 26} & 6 other *Proctos.* (10 mtd.)

1 ♂, 1 ♀ only mtd., ant. 19 & 20 respectively, = *Proctos.* sp.?

Colletes haemorrhoidalis 3 ♀♀ not mtd.

Opius singularis ♂, 2 ♀♀ mtd. *O. singularis* 1, not mtd.

O. cf. pallipes? ♀, small & weak, short tibiae, ant. 20, pale abdomen.

Proctos. praetor ♀ not mtd.

Apanteles flaviventris 2 ♀♀, not mtd.

all with dimple	{	<i>Apanteles dentifrons</i> ♀, ant. 21.	{	<i>A. cf. dentifrons</i> ♀, ant. 22.
		<i>A. cf. dentifrons</i> ♂, ant. 23, very slender.		<i>A. cf. dentifrons</i> ♂, ant. 23.
		<i>A. cf. dentifrons</i> ? 3 ♀♀, ant. all 19.		<i>A. cf. dentifrons</i> 2 small ♀♀, ant. 17 & 18.
without dimple	{	<i>A. cf. dentifrons</i> ♂, ant. 20.	{	<i>A. subsp.</i> small ♀, ant. 18.
		<i>A. cf. dentifrons</i> very small ♀, ant. 18.		

Dacnusa longiradiata 1 ♂ 7 ♀♀ all recently mtd.

D. adducta 1 ♂ 1 ♀ all mtd. *D. aphanta* ♀ not mtd. ^{small ♀, ant. 20.}

& 7 other specimens = *D. lateralis*, ant. 27, small, large legs.

D. abdita ♀, ant. 22. *D. cf. aphanta* ♂, ant. 26, not mtd.

D. melanocera (♂ ant. 20), 2 ♀♀ (ant. both 20).

D. confinis ♀, ant. 22.

Praon volucre ♀ mtd. *Monobotus carinatus* 1 ♀ not mtd.

Proctos. extraordinarily abundant & about 1/2 in

in rocks, of which only 3 mounted.

30. 9. 48, cont. Devil Glen, G. W. I., cont.

Taken at 3, cont.
Rustic. cont.

Chalcids 5, not id.

Cynipid 1 short-winged =
Triclistus curvicauda (Hemiptera).

October 1948 - November 14th

As car failed in on road, journey at Loughlin
on 30th Sept. due to failure of motor supply & engine
on 1st Oct. car failed, so had to leave it at Loughlin
by W. B. Smith of the town, & then leave it
there. The car eventually found back to Dublin
by Tilly, found about 2 miles out.

A few days later had to get in car, but
motor fault not fixed, had to get it
by 1st Oct. (1st Sept.) had stopped by the 13th Nov.
in some pain for 2 weeks & passed pain but not of
1st week in November. Consequently it had to
wait during that period & it is still waiting.

Weather during Oct & 1st Nov. it was mostly
clear, but very few days before Nov. 1st & 2nd

On 2.11.48, I had a
short walk in the
Devil Glen, G. W. I.
I found a number of
Chalcids, 5 in all, but
none of them were
the same as those
found on 30th Sept.
I also found a
Cynipid, 1 short-winged
one, which I identified
as *Triclistus curvicauda*
(Hemiptera).
A. W. S.

Oct. Nov. 1948, cont.

slight frost, night to day, damp & cloudy.
I had a number of swallows of the same kind
as those found on 30th Sept. in a small
ditch, like the water, except the last of them
in green part. October was very wet in
some parts of the country, but in Dublin it was not
so much of a fall & there was some rain, some fine
days, but the most part of it was dull & damp.

12th Nov 1948. A very mild damp day, but fine in afternoon.
We took a walk (Loughlin, Dublin, & back) to
the old bridge to Marston, then a bit of the
Newman Wall, to Rathfarnham. The day was
fine & very warm (V. warm) but a little
fine & a little damp (V. warm) but a little
with heavy looks of rain at any time & of the
narrow walls - no doubt for a long time by.

17th Nov 1948. Took day off & went to 10.5 km to
Whitewash & walked up lane round W. side of
Kilnashoge to over 1000 ft. & back again to Rath-
farnham then to home at 2 PM. A most glorious
fresh day, no wind & very hot sun - so hot that we
could not sit down & back just where we
stayed. The reason we had to walk back to Rathfarnham

17-11-1948 cont.

due to the fact that the school in Dublin was closed & all the children (10-12) turned out to march through the heart of the city in order to reach a measure of liberation, stop the traffic & in force the community to remember the heroes of the rebellion of 1798, of which occasion I am anxious to note that most educated people appear thoroughly ashamed & do not wish to be reminded of.

22-11-1948. After a wet night & morning, a fine sunny afternoon. Daisy, George, Maria Graham, & I took 5.45 bus to Grand Cross Road & walked via Greenliffa, Ballymont Lane to Rathfarnham & home by 7.15. 83 bus: 2.30 till 5.0 P.M. Found small house & 2-acre plot where George's friend Kaledon Dalgetty proposes to start growing tomatoes, etc., after his marriage (with Ann Brown) in 1949. Saw a wisp at my lodge near Whitehall House (where I was once wisp in January) though now gone behind clouds & till 8.15 P.M. & a frosty night coming on.

26th Nov. 1948. Took 10.5 AM bus from Turnace to Old Barn & walked up E. side of Glasnevin (Glasnevin) past the school & down onto the upper dam of the water works, then along E. side of upper reservoir & down W. side of same & so back to bus at Broomfield at 1.15 PM. A fine day but with gale all day in Dublin & inevitable gale swept down Glasnevin.

Spent the first flower of the earliest plant of *Cuscuta medeolensis* open in back garden & several flowers on one of the Galtee moss *Saxifraga* [*Schistia* group].

28th Nov. 1948. In afternoon walked from Rathfarnham bus to Tin House via Butterfield Lane, Bogreagh & "Prospect". While waiting for bus at Tin House saw ♀ *Vespa* (no doubt *vulgaris*) come out of cavity in wall & fly off - evidently searching for a place to hibernat. Then at 3.45 P.M.

Potentilla fruticosa in good flower on roadside bank facing south at Bogreagh & in fact has been out for at least a couple of weeks. Should start.

12th Dec 1948. Very mild, with much
sun, rain, gales & on a high tide stone,
with fine spring-like days interspersed.
On 12th walked from the river of 8.30 am
to Wallington House, Baiting & Firehouse
& home by bus. Although sun gone behind clouds
& a rather chilly wind blowing, met many $\frac{7}{8}$
Vepra vulgaris at river at Wallington Ho.
& especially on wall just N. of Boddle River
& a few again by lane from bridge over Boddle
to Firehouse.

15th Dec 1948. My 65th birthday. Made
two journeys each way to & from Museum,
on bike as normal, on this my last day of service
in Museum. Weather clear & cold.

16th Dec 1948. Weather still clear & cold,
but sun after 10 AM. quite warm. Left home
at 10.30 & went by bus to Boddle River
(Daisy & I) & walked about half way
along North Bank & back to called bus
at 1.30 & so home to dinner about 2.30,
to celebrate retirement, after 28½ years
service in Museum. Many flowers on
Lowther's autumnal on dinner & lot to inspect but

17th Dec 1948. A still more perfect day than 16th. Light rain in
morning quite hot, with not a breath of wind - pleasant, gentle
S.E. breeze later, very mild. Left home at 10 AM. & went
to West Pier, Kingston where spent about 2 hours. Tide very
high & not many birds about. Many porpoises seen over
a long period about 1/4 mile off the harbour mouth (these
seemed to stay in one place & swim up & down in a back & forth
it was). Many flowers on *Antirrhinum* varieties growing
on the pier. Left for home at 1.30 after sitting in the sun
at end of pier for some time & thoroughly comfortable.

A few garden annuals have no flowers appearing, but
seen very early.

18th Dec 1948. Dull till 4.30 PM, mild in morning, but
chilly & breeze in afternoon. Very high in large
anticyclone, approaches from Scandinavia. Afternoon
took bike & rode via Greenhills to Whitehall House, round
S. side of Belford Castle to Fortunes town & home via Talley
& Templeogue. Saw $\frac{3}{4}$ of *Vepra vulgaris* near Whitehall Ho
& along S. wall of Belford Castle on river, blossom, but
given fine weather should keep going well into January,
but - we shall see!

Saw fine patch of *Geranium robertianum* - full flower
at latter locality, as well as Daisy & Baudeliana.

19th Dec. (Monday) 1948. A fine cold day with E. wind but mainly sunny. In afternoon went by 1.50 bus to Old Sion & walked via Orleigh College back to Parkmore & thence via Butterfield Lane to Rathfarnham, walking by bus. In recently dug out roadside ditch (14-20' disturbed!) saw plant of *Senecio* (believed to be *Senecio*) buds ready to open. This abnormally early growth probably due to cutting away of overlying vegetation & other disturbances.

20th-22nd Dec. 48. Dry & extremely dull, with E. wind, but no frost at night.

24th Dec. 1948. Weather very calm, E. wind, cold, dry, but some light rain in morning. Walked from 4th of Whitehall Road & Clillingham House to Templeogue in afternoon. One saw several nests of ivy blossom on wall just N. of Boddle River near Clillingham Ho. on 22nd.

25th Also calm & dry, but depression approaching from W. & weather breaking.

26th. Depression with E. gale but no rain till night of 26th-27th. In afternoon walked from Rathfarnham

26th Dec 1948, cont.

to Ballyboden, up walking road to 2nd D., then down to foot of Orleigh College & via ruins of Old Court H. to turn at Old Sion. No wind at Rathfarnham but above Ballyboden & all way to Old Sion a severe & cold gale blew from S.E. — a promise to what was to come! On way through ivy wall along E. side of walking road & just above Ballyboden saw several nests of ivy blossom (in shelter!) & in ditch at same place saw *Senecio* buds ready to open. It failed to see plant in ditch near Old Sion reported & had on 19th. owing to bad light perhaps.

27th-31st Dec 1948. Very broken wild weather, cold, with gales, rain, & finally snow in late afternoon of 30th followed by a frosty night. Had visit from Desmond Mearns (now on staff at Kers!) in afternoon of 30th. In evening had visit from Terence O'Rourke, who has just got his M.B. & is off to Liverpool to take up a post as lecturer in medical entomology at Tropical School of Medicine there. Though what he can know about the subject I don't think, though a very nice young man (R.C.).

1949.

1st January 1949. During the night of 31st Dec. 1st Jan. the glass fell heavily & being already very low the pressure barograph went below the paper chart & remained so for at least some hours. At noon on 1st the mercury barometer registered 28.95 & the barograph approximately 28.8, though we have had no wind or rain for at least 10 hours. Then just returned from a cycle ride to Willington Ho, via Kinnage, returning via Tarnham to look for wasps as my, as they had been considerable rain & blowy between 10 & 11 AM, though as I went to get out the bicycle this disappeared, of course, & I saw no wasps. Except for one short shower about 3 PM the night was absolutely calm, with clear sky at dawn, though BBC gave out gale warnings for all sea areas including the Irish Sea!

Barometer turned about midday & then rose steadily for 24 hours. Bad squalls with rain & sleet occurred in afternoon, but no real gale or really bad conditions followed.

2nd January 1949. A fine breezy day, with sun & clouds all the time from 11 AM to 3 PM. Wind North-West but later light & variable, cold but with some freezing point, wind dry & much less rain on 2nd than there was on 1st day.

In afternoon walked from home via Kinnage Green to Willington House & thence to farm at Kifford. No sign of wasps at any one Willington House but large flock of finches seen in fields N. of house & also seen near same place on previous day - mainly Brambling & Chaffinches, but also species possibly present except the usual numbers forming the flock.

Snowdrops out at old mill W. of Templeogue Bridge & in bed in front garden of house in Butterfield Lane. Still our earliest Snowdrop under drawing room window ready to open if it gets a chance.

3rd January 1949. A beautiful sunny day, 50-60 breeze, after a clear frosty night, followed by heavy rain during night of 2nd & 3rd. In afternoon walked to Kifford via Cornhill bridge & The Narrow Water & home by bus. Much rain still in flower but no wasps seen. Some butterflies with closed flowers seen just N. of the narrow water in small place.

4th January 1949. Entirely dull, cold & wet all the afternoon.

5th January 1949. A very day, cold in morning & day, with E wind, cold in afternoon with SW wind & cold considerably more. Thence again walked round to the Narrows Wall in afternoon to look for wasps, but on way there saw quite a number of very common or roadside wall between the old Water Gate of Rathfarnham to the River Dodder & Landscape.

There during our walk watched them for some minutes in several places & thought one had the long antennae of a male, but failed to catch the between the fingers - perhaps just as well. The date is with today of late R. M. Barrington record, 10th January, for February, 1949, for the weather.

6th January 1949. A lovely mild morning with much sun, but turning to misty rain with strong SW-W wind in afternoon. Did not get out to look for wasps till 4 P.M. Saw several & with light drizzle & no sun now. One earliest Snow-drop was in flower & some snowdrops now definitely out!

7th Jan 1949. Cold but fine in morning, with falling glass. Afternoon began with drizzle, but heavy rain with gale from SW-W at 2.30 when a black cloud (a live squall) passed over, followed by heavy & continuous rain or drizzle till evening. Took 4.15 bus at 2.15 to Ballybude & arrived just in time for a squall. Stayed in shelter till went over & then walked back to Rathfarnham & so home. No wasps seen!

8th Jan 1949. A lovely clear, cold day, with sunny till late afternoon. Wind light - NW. After attending Edgar Palmer's funeral (son of John H. F. Palmer!) rode, alone, on bike to Churchtown & home via the Narrows Wall & Rathfarnham, but too early in day & no wasps seen on way between R. Dodder & Landscape where seen on 5th. Afternoon took 5.45 bus to Brimley Green & walked via Greenhills & Tyrona to the Fair House & so home by bus. No wasps! Spent day in road!

9th Jan 1949. Mainly dull, cold & windy (W).

Afternoon walked to Templeogue & Ballyglan House & back to 5.45 bus by Whitehall Rd. No wasps!

10th Jan 1949. Entirely dull, with cold W wind. In afternoon walked via Rathmines & Barty up Ladder to Orrell bridge & so home. No wasps! Falling glass all day! One yellow crocus seen in Kenilworth Square N. garden!

11th January 1949. A brilliant morning, with clear blue sky & sun, but strong W-NW wind & gale warnings. Glass at bottom of a trough!

13th to 15th (Sat.). Mainly dull, windy, sun bright on 14th & 15th. No wasps seen though they swarmed on 12th, 13th & 14th. One second *S. n. n.* seen on 14th.

16th Jan 49. A fine (dry) day, entirely dull, with strong W wind, mild. In afternoon Daisy, Marcus, Graham & I took 54 bus to Kinnage Rd. West & walked via The Green Hills & Tymon Castle to Fishmore & so home by bus.

N. of Tymon Castle the Hazel bush in hedge over stream & roadside - not out on 8th - now with many of catkins & even more of flowers out. No doubt many Hazels abroad, out in other places earlier than this, but only that on slope S. of Greville Bridge (R. Dodder) seen in distance with catkins apparently out about a week ago.

17th Jan. Very windy (W), mild, with rain falling in the wind most of the day. One first yellow crocus by path to front gate in flower (under shelter of tubs!).

18th Jan. A windy (SW) but no rain. Not back yet.

19th 21st Jan. Windy, colder, at times NW wind, but much sun in forenoon. Much ice still in stream about Ballyboden on 21st but would too strong & cold & no wasps to be expected even if any remain alive.

22nd Jan 1949. A dry, dull day; very mild. In afternoon wrote in diary via Wellington Hill & Tollymore Park to see *Phaenocarpa* & then round old woods near Fort Newton, Ballyboden & Kinnage Rd. 23rd Jan. After shower at 10 AM a fine day with sun & strong E. wind. One *Phaenocarpa* & 2 yellow crocuses out in front garden. Also *Phaenocarpa* & *Phaenocarpa* *apiculata* on the road stalks!

In afternoon took bus to Old Bawn & walked back to fishmore via Donatstown & then home.

Saw nothing of interest, except a small stream of *Phaenocarpa* & *Phaenocarpa*, & in forest - no doubt some to be seen in the field, though I did not see any. No *Phaenocarpa* seen so far this winter.

24th Jan 1949. After heavy rain on evening of 23rd & then frosty night & cold morning & a gloomy day with sun for part. Sun & no wind. In afternoon walked from bus at Kinnage Cross via Tollymore Park & Templeogue bridge to Rathfarnham bus. Many small *Phaenocarpa* on the wing (Gault's ridge) & saw one *Phaenocarpa* *tenax* moving slowly at Tollymore Hill & several other *Phaenocarpa*, probably muscids.

In ditch on E. side of road about 200 yards S. of Wellington Hill gate saw *Cercaria strobilata* (= *volupia* ovalt.) which I had not noticed before. Several old spikes still in place.

25th January 1949. A dull "black" morning after a frosty night, with strong SE. wind + rain - upper clouds SW - very mild out of wind, with rain blowing in the wind. Apparent clear out to west, but in Dublin heavy black clouds & no light all forenoon. Afternoon a little brighter.

Walked via Donnell Bridge to Milltown Golf Links & home by Booterstown Rd. Saw yellow crocuses out at Rathgar Park Church & Mr. O'Brien's garden (just down to me); also a few plum trees on the early spring (the bronze leaves) taken on! - Highfield Rd & large shrubs of *Arum* well up in Park from golf links to Blessington Bridge.

26th Jan. A dry dull day, with SE wind along coast & SW above & inland. In afternoon rode to Grandson & up to hill to Sandymount & home via "Don Boy's" & Rathfarnham. Much "development" gone on - even in low, trees cut & everything "natural" being destroyed - what is now known as "Town Planning", but what in the young days was called "jerry building" only in this town is the old town that jerry building really meant.

27th Jan. A gaspous spring morning, afternoon, & evening sunny, all fresh SW wind. Afternoon mainly dull with wind SE along coast & SW above

& inland in lower part & along river. In afternoon rode via The Green Hill to Killeen & up canal to Glendalough & so home. Many flowers in Bill's fort along canal & are really out for some days, some seem early. In some places plants above Killeen have spotted to a few *Stenactis* only, many plants & catching them in early part of night, many all the old silver lining canal now cut down as far as Glendalough & of course nothing planted to replace them. Very mild out of wind.

28th Jan. 49. Another dry day, but mainly windless, mainly cloudy, mild. In afternoon rode to Old Brown & round by Marlfield to Fintona & so home by Talleygh & The Plough. Many fires on slopes of Three Rock & The Rock Mts. Spring shoots on Honey-muckle & Rose *canina* & lane at Marlfield.

29th (Sat.) Jan. A dry dull day, clearing in late afternoon. 30th Jan. After a frosty night, a windless, mild, day, with mist in forenoon & usual clearing in afternoon. When I, Daisy, George, & Marcus Graham, walked from Rathfarnham two to Fintona & on to Old Brown via O'Leary College. Saw larks in field S. of Fintona.

31st January 1949. A fine day, sunny in forenoon, mostly cloudy in afternoon. Did not go out as waiting for bus to come as this did not arrive till 4.30 PM. Rainy rain came on about 5.30 PM & thick drizzle lasted till midnight, on account of cold anticyclone from the north.

1st Feb. 49. A perfect day! entirely sunny, but very keen though light E. breeze. In afternoon rode to lower dam in Glensmole & sat in sun till tea. Clipped hedges! & arrived at about 4 PM. On the face of the dam, facing S., saw two flowers in last year's Knapweed & on the reverse side - grass slope facing N. - saw two buttercups, one an old stem of *R. acris* with two flowers & the other a fresh flower of *R. bulbosus* which appeared to be due to precocious growth. By the following from lower reservoir saw an Alder with catkins fully open.

2nd Feb. 49. A dull cold day, followed by slight white frost. In afternoon walked from Rathfriland to Kilmashogue Bridge & back to catch 4.30 bus at Manley (Whitechurch). Found yellow crocuses out in back garden, 14 Clareville Rd & many now out in front garden. Daisy reported that the little almond tree in Kenilworth Park Prof. G. - diary of several years! - in flower & probably out for 1 or 2 days. Some very still in bloom in beds near Whitechurch although Blackbirds & Starlings now eating the now advanced buds on the plant near by.

3rd Feb. 1949. A beautiful day, all sunny & fine, but especially light cloud in afternoon. When back to bus & road via Green Hill to the main road & then W. till in park up the fine blue daffodils to Tallaght; turned off to the left at bus stop corner & rode round old airfield to Fortuna, town, & so home via Tallaght & Templeogue. Wind very light & S.-SW.

4th Feb. 49. After a hard white frost, a hearty morning & forenoon. At 1.30 PM. saw a nice display of *Linum boreale* from landing on down - a few hours after I told in the last bus journey in P.D.C. programme of "Science Program" - which I regret I did not take to!! In afternoon rode to Glendalough & up good road to Maltinghill bridge & back to Glendalough & home - about 19 miles. Beautiful view of the valley, canal & water & back of ridge, the sun & the sun in Kilmashogue when passing it. Light & fine in air & topped the hill above Glendalough & down to the lake. *Delphinium consolida* in flower (possibly of old stock killed in frost of 1946-47) at foot dam, in the little old garden probably out for 1 or 2 years. Some *Sax. oppositifolia* in front garden with purple buds showing & *S. oppositifolia* very much out & *Chionodoxa* shoots up.

Feb
17th, 1949. A most perfect forenoon - like May - no wind,
much sun, a very mild; cooler & more cloudy in afternoon.
Sited 155 of long-tailed *Aspidotis* etc. to 100 ft. 7.40 PM
First flower in *Chionodoxa* out under left wing - green
under. In afternoon took bus to Birkbeck & walked
across Birkbeck to Tyne Gate & back via Gillingham
to 54 bus. Saw squashed frog on road near
Babrothay.

Prink hedge round front garden sprouting!

18th Feb. Cloudy with falling glass, S wind, a rain at
2 PM. Rain all afternoon with increasing wind &
glass still falling slowly at 4 PM. Ruffed (smallish)
owl in garden in front of back & *Grope Myrica* out
in back garden front garden.

19th Feb. Feb. Cloudy, wind from S, some rain, mild.

20th Feb. Very cold & rain after 11 AM, with heavy snow
showing at noon. Leafed in Scott *Veronica* *Myrica* in back garden.

21st Feb. Gale from SW-W, milder, rain to all day & 2 inches
at night. *Ononis* appearing out in front garden ^{24 pages in book under at 5.30 PM}

22nd Feb. Dry, mainly dull, W wind (light). Blue-bills
(1 Min. Odorous) in front garden with first flower pushing
up. One red moss *Saxifraga* & 1 smallish *Statice* with 1 bud
well up in front garden, near gate.

23rd Feb. 1949, cont. Afternoon walked from Birtley
to Birtley Bridge & up Garsy Road to Birtley Hall
Gate & home by Ormside Bridge. Fine, cold, mild.

Saw first bud of *Tromas* in flower in Garsy
Road, and frequent in flower in Garsy Road, Birtley.
Alexanders in flower by Garsy Road to Birtley Hall Gate
to Birtley Bridge. Saw about six *Sicken* in flower
by the Birtley below "Master's Bank".

24th Feb. A fine day with wind from S, up to 20° &
a much sun in forenoon. First morning in sun &
at night other people. Mrs. Hume & a night with
supper & more about garden. In Birtley, Garsy Road.
Saw many small ones. "How many?" Let. she said "Then
you agree with me that the many people are locked up!" Let.
when she complained of the people who change wanted to let her &
shocked when she fell off the bicycle or fell down getting off it
in Birtley, in the traffic, remembering, you know, after
fall. Let. she said "how to fall!" She was at one time
in the Street Trading, Let. of Birtley, & in a small garden.
Referring to modern time was often saying "Let. I say in
that we must change our habits. That's all!"

1949.

24th Feb. Long, with cold N.W. wind, & the day, sun
 25th Feb. sun. Large Garden Swe. *agrostoides* in front &
 back garden (near rabbit hole) with first flower open on 25th
 & also first flower on one *Flowering Currant* in back garden.
 26th Feb. Milder, with light N. breeze & with rain in forenoon.
 One first daffodil in back garden & first *Hyacinth* in front garden
 just opening.

27th Feb. Very windy, with rain & cold, sun down.
 1st March 1949. A fine cold day, dry, till late afternoon & the
 evening, squall & shower about 5.30, followed by heavy
 lower gale from N.W., which proved to be just the
 edge of a great storm which swept across England
 & central Europe - Germany getting about
 the heart of it. All calm by midnight & frost
 before dawn.

2nd March. A lovely sunny day after frosty night
 with glass up to 30.5; fresh N. breeze in
 forenoon, but evening windless. In afternoon
 went to Museum to meet & have a chat with
 P.P. Graves of Ballylisking Ho., Bessborough.

3rd March. After a frosty night, a glorious hot
 sunny forenoon. Spent 2 hours in garden
 hoping to see a Bumble Bee on *Silene acaulis* ♀

3rd March 1949, cont.

but none appeared & no honey bees seen either. Green shoots
 on *Carex stricta* at water house now pushing up, but
 no real "growth" as yet. Glass falling down &
 afternoon not so sunny, wind to high tide &
 some clouds. Wind rising in late evening
 & rain came on during night, a warm breeze at dawn
 & sun in forenoon.

4th March. Rain or drizzle all day, & very mild.
 Weather report announced approach of cold front from
 west. Sun & rain, but very mild. Still rain at
 midnight here. *Nerine sibirica* with some flowers
 open at dawn & many signs of growth in garden & around
 after the cold dry spell.

5th March. Still very mild & still raining from dawn till
 11 A.M. Rain cleared off about 1 P.M. & a lovely sunny interval
 occurred, followed between 4 & 5 P.M. by rain & a heavy
 shower of hail, rain & sleet & it came back in two
 from Rathfriland after calling for kinship across by
 Wiltshire House. Saw many frogs on road, dead &
 alive between Wiltshire Ho. & Templeogue Bridge.
 Also saw six Herons flying W. over Wiltshire House
 & many (? 6 to 12) standing on trees in heronry at
 Rathfriland Castle, where the *Jaegers* now also nest!

6th March 1949. A nice day, after a cold clear night but no frost, (E & N) with most of Oxford under several inches of snow, we had first rain & the day but quite mild. A lovely sunny forenoon & no wind, on that day *Salix cinerea*. Back garden covered with Honey bees at 12 noon for the first time this year. Afternoon dull with gently falling glass & breeze changing from SE to SE. in evening but no rain before bed-time. In afternoon took 544 bus to Ipswich & walked via Greenhills, & Tyne Castle, to Firs Lane & so home by bus.

7th to 13th March 1949. Mainly cold with E wind, some light snow drifts, some rain, some sun, overcast, but wind turned west on 11th with rain & night of 11-12th, with a much lighter day forenoon of 12th & wind on in afternoon.

Wind turning in evening & most rain from 11th day night of 12-13th. Wind still strong & with a drift of rain on 13th forenoon.

Flowers, pink flowered *Sax. oppositifolia* (one plant, in pot & sheltered) in back garden flowered about 11th & all the ^{flowered} *Sax. oppositifolia* & *Muehlenbergia* plants flowered during week. Large shrubs by north lawn wall with shrubs 6 to 9 inches in height.

14th 22nd March 1949. Uninteresting weather, mainly rather chilly, dull, with some wind & rain & an odd night. Frost. Checked on rows of May Queen potatoes on 16th next motor house, on that day the flower spikes of *Carex stricta* were visible in clump against north lawn wall.

13th March 1949. Spent morning early, with some of "Duck on Black soil" at 11-20 (5) by 30.00 am from "Killing Time" at Long. During last week. The following are the names of the plants found in the garden (12-14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000).

Union of 1 specimen

Hyacinthus callitricolus (small & large), *Hyacinthus* (10 per cent), *Hyacinthus* (10 per cent)

Hyacinthus rotundifolius (10 per cent), *Hyacinthus* (10 per cent)

Hyacinthus limpidus (10 per cent)

Hyacinthus umbellatus (10 per cent - small)

Hyacinthus (10 per cent - large & small), *Hyacinthus* (10 per cent - small & large)

Hyacinthus cylindraceus (10 per cent)

Veronica prostrata & *Veronica* (10 per cent - small & large)

Veronica (10 per cent)

Veronica (10 per cent - small & large), *Veronica* (10 per cent - small & large)

Veronica (10 per cent - small & large), *Veronica* (10 per cent - small & large)

Sent report to Prof. Brown 13.3.49. G.S.

For note on 14th - 22nd March 1949 - see p. 176 - note!

22nd March. First red garden, many *Scirpus* flowers
opened, though in bud for nearly a month. *Trachium*
in front garden in flower since 19th. The *Scirpus*
from top of wall at Holywood my station about 1913!

Shoots of *Saxifraga alpina* from Boreland set up on
20th in back garden. Scottish *Sax.* spp. & that from Glencoe

Leitrim (both up, one pink form & one from me in 1948 by

R.C. Farin) flowered & all are the large flowered form.
Leaf buds on Scottish *Salix reticulata* unfolding on 22nd

& Scottish *Salix reticulata* & Farin's variety *Salix repens* X
from Glencoe with buds, swelling & very silvery.

Vaccinium uliginosum from Scotland also showing leaf buds
& signs of growth on many plants in milder conditions with
some nearly set. came on 20th - 22nd

Feb. snow for first time this year on 20th, 21st & 22nd!

In afternoon of 22nd saw a ♀ *Vespa* (not like *antennae*!)
crawling about on a clump of mossy *Scirpus* in back garden.

By 11 P.M. temperature down 50 out of door, & no wind
whatsoever.

[*Myrica gale* exposed near, a ♀ *Helictes subsericeus*
on *Saxifraga* on top of cliffs at Holywood, seen 1st, 6.4.44.
on 20th March!]

22nd March 1949. A lovely calm morning, dull, very mild, with
some breaking, though clouds before noon. Spent morning top-dressing
the garden at Holywood. At 10 AM I went to the back garden
behind me & first to see the *Scirpus* it grows well with
Ellie in it. It was better than I expected, but I should
not see it again. At 11 AM I went to the top of the wall
on 22nd, in walking to see a new clump of *Scirpus* in my
a garden, by 11.30 it had disappeared. At 12.15 I saw a
small *Tortricid* (Bathyp. in back garden & I saw it at
10.30, when I saw a *Myrica* (1st, 2nd, 3rd, 4th, but?)
in the old cottage.

In afternoon rode on bike to Glencoe & walked across lower dam
& up through woods to head of 1st creek on east side of lower
reservoir, where lots of *Primula*, *Vicia*, *Anthracinus* & a few
Wood *hazards* in flower. *Willow* just about their best
& at Boreland saw 1 ♀ *Lygellus*, & also *M. 20* *Boyle*!
saw 2 ♀♀ *B. lucorum* on *Salix*, but in afternoon entirely
dull saw no other bee. Heard no *Chiffchaff*!

March 24th - 25th out - here & there.

24th March 1949. A much perfect day! Initially sunny after
9 A.M. & very hot in too, with light E. breeze. In afternoon
rode on bike to Killybeg & walked up Great bench to Glendalough
bridge & the road home. *Petrorhiza vulgaris* in flower by canal
in several places, & some within by lower Bin near ones.

27.2.49, cont. Royal Canal, KD, cont.
Marion Graham but only one by observation, namely,
 a ♀ *Anteon* for a small beech tree in
 hedge covered with dead leaves. About 4 o'clock
 heard one, possibly two, bliff-huffs, singing S of canal
 & railway, from the direction of some trees.

Considerable growth for time of year & plenty to sweep
 but it had been for hours, & the dropping of the
 those hedges, which latter the birds had jumped into
 canal & made sweeping along its bank impossible.

28-29-30th March 1949. Dry, cold, with E. breeze, foggy & dull
 on 28-29, mainly sunny on 30th. Saw ♀ *Anteon* in
 back garden on 30th.

31st March & 1st April 1949. Dry, cold, with wind & rain
 but glass falling steadily.

2nd April. Clear from about 9 A.M. & increased from a drizzle to
 heavy rain & cleared in early afternoon, with sun out then,
 wind S.W.; temperature much higher in afternoon.

3rd April (Sunday). Very mild with strong S.W. wind & drizzle
 from 9 A.M. (Summer time started today!), much drizzle while
 sun shone all forenoon, then fine till 4 P.M., then wind
 dropped & drizzle started; later severe gale from S.W.
 & wind fell in glass, with heavy showers.

3.4.49, cont. In afternoon drove with Daisy & Marion to
 to support & up old road to river. Left car at bridge
 old road road up the bank & swept about a mile in the
 shelter of the bank, but saw nothing but a few small
 saw bluffs, very short & very little else, but saw
 only 1 *Anteon*, as follows:

Stenomacrus maculatus 1♂, 1♀, both with 17 segments
Anteon 1♂, 1♀, both with 13 segments
Anteon 1♂, 1♀, both with 17 segments

Then, Graham reported seeing a Small White Butterfly on
 a very fine T.C.D. about 4.30 P.M. & at 5.30 P.M. saw a
 Bumblebee & a Flowering Broom in back garden, & saw a
 where certain in day that *Anteon* that one of the paper wasps
 on 15th had appeared in the T.C.D. & on 16th saw one
 did under the drift from note-line up, & that it had been
 trying to go on a butterfly from the drift, & on 17th saw 5.

Heard several bliff-huffs above the left car in shade of
 Loughan
Anteon 1♂, 1♀, both with 17 segments

4th April 1949. Gale continued all night & in forenoon,
but died down about 2.30; forenoon very cold.
Fine & breezy; afternoon almost continuous & heavy shower.
Wind went round from SW to NW, colder.

5th April 49. A calm day ^{with slight rain & sun 1/2 day} & fine & sunny night.
but wind went S.E. about noon & rain started at 12.30
& continued until midnight, getting heavier & heavier as
day advanced. But frost came before rain & in back garden
frost had laid several batches of grass along water
house wall & would drip from roof between door to garden &
Westfield Road wall. First white "garden" Saxifrage (very)
out in front garden, but most bits not even yet in bud, though
red moss now full out & one patch nearly over. The early
patch of *Clare Island* Sax. rosea in wet back garden practically
in flower, though buds only appeared a few days before.

Glass falling heavily all afternoon & evening! No wind.

6th April 49. A most beautiful summer morning &
forenoon, but S.E. wind arose about midday
& caused a jam late, as that afternoon was
almost entirely dull & chilling. Left home
in car at 2.30 & drove to foot of Glencroft
& walked to upper dam & back to car. Cliffs all
round but no sign of Whallow Warbler or any
of the Swallow tribe - dull & cold!

7th & 8th April 1949. Dull & rainy, & dull.

7th April (Sat.) All morning in forenoon, with some rain.
Afternoon gradually clearing, with wind S.W.
and when we rode to Blandford, Bournemouth & the
sea. Grand beach to Blandford & so home. Very hot
sun at first, but mainly dull after 3.30 PM. Beach
road nearly all built round as far as Blandford
Bridge, but the margin hardly turned into bits of
public park & lawn on N side, being instead of
lawn the back garden up against it.

10th April 1949. A fine morning with some light rain
at night. In forenoon drove to Blandford park &
walked up to eat between Plain Woods & Blandford
Hill - Blandford. I saw a Swallow near Blandford
green, saw one Swallow near Blandford, & that
time wind had almost reached gale force & rain then
in the air. Having driven all afternoon.

Two plantations of Pine (? Scots Pine) badly burned
& looking very much, but several not coming out yet
& looking all right.

11th April. Wind & damp with light drizzle off on
all day & some frost rain. Saw several Swallows
(either *V. germanica* or *alpinus*) during morning at 10.30 AM
on road from W. Blandford to Blandford.

12th April 1909. Very wild, almost windy, with strong S.W. wind & rain & drizzle blowing in the wind all day after 4 pm. In afternoon walked to Rathmore, on to Ballymore, up Dodder to Burrell Bridge & so home.

In garden first flower on a wild rose. Saw first out — one of *Widener's* *Veronica* plant — *Androsace* — flowers, *Carex* marshes, & *Fern* little *Saxifraga* of species? in flower, the latter turning out to be a ♂ (not a ♂ as I had at first).

13th April 1909. Fresh & drier than 12th. A lovely day & nearly all morning, but in strong S.W. wind.

In afternoon drove to foot of Glencree. Saw left car & walked up to upper dam & back to car. Traced mostly by roadside along lower stream (= 1) & just below it on NW corner of upper stream (= 2) & found many small *Hydroptila* out when sheltered from the wind. The following insect caught:

Glencree, Co. DU.

Taken at 1.

[110 mounted & 100 labelled 18 in 48]

Hydroptila ♂, ant. 20.

Aspilota ♂, ant. 24.

Phaenocarpa ♂, ant. 20. *Phaenocarpa* ♂, ant. 20. *Phaenocarpa* ♂, ant. 20.

13.4.09, cont. Glencree, Co. DU, cont. Taken at 1, cont.

Aphidius ♂, ant. 20. ♂, ant. 20. ♂, ant. 20.

Phaenocarpa ♂, ant. 20. ♂, ant. 20.

Phaenocarpa ♂, ant. 20.

Phaenocarpa ♂, ant. 20.

Phaenocarpa ♂, ant. 20.

Phaenocarpa ♂, ant. 20.

Phaenocarpa ♂, ant. 20.

Phaenocarpa ♂, ant. 20.

Taken at 2.

Phaenocarpa ♂, ant. 20. ♂, ant. 20.

Phaenocarpa ♂, ant. 20. ♂, ant. 20.

Phaenocarpa ♂, ant. 20. ♂, ant. 20.

Phaenocarpa ♂, ant. 20. ♂, ant. 20.

Phaenocarpa ♂, ant. 20. ♂, ant. 20.

Phaenocarpa ♂, ant. 20.

Phaenocarpa ♂, ant. 20.

14th, 15th, 16th April 1949. All fine with sun & little wind -
 - under low bank in the garden - grass, apple, etc.
 - garden sent, & all coming into flower, & all in flower & open.
 & open.

17th April 1949. Entirely hot sun till 3 PM then rain cloud,
 but SE wind, got up to 1.30 & started collecting -
 afternoon. Left home in car, Bury, Gipsy, Bury, Gipsy
 & my self & drove to Hill & then to Gurney's Bridge over
 Grand Canal, where left car; then walked along canal &
 cut across fields to the big dam & went on section till
 just N of Ave it crosses canal near Sallin. In the sand pit

192 - I took a specimen of the Hymenoptera *Schizotetraneura*
 but saw only 1 of it & it was very young & was not of
 seeing, none today. *Lucina* flower, *Syrphid* ^{Lucina} *Lucina* ^{Lucina}
Gyrinus & at the only hymenoptera was today. Left at 1.15 & drove
 along N edge of canal on way but wind too strong to expect
 much & all taken were: *Alucodes* of *lucina* ? 100. none.

Phygadeuon ♂, ant. 22 =
Aspilota *hyemalis* ? ♂, ant. 24. *Dacnusa* *applanata* ♂, ant. 31.
Dacnusa - *applanata* ♀, ant. 23, *Aphidius* of 10 ♂♂, ant. 24.
Microgaster *caninus* 100. 254. ant. 24.
Cratichneumon 2 = *hyemalis* ? ♂ & ♀

Gipsy - swept a small sandy bank near back W
 of bridge which he thinks is *Funaria* *rigida* ♀ - a very early date

Small Hymenoptera seen on road at Gurney's Bridge

17th April, cont.

Euphorbia *lutea* in front garden in flower this morning
 (old pot) still of only one. Left about 1.30 - 2.00.
Oxalis in garden in back garden & the plant in the garden
 have brought from between Fair Head & Fair Head, Co. An.
 in May 1913, has three flowers open & the first
 flower opened today. *Horobaria* but none seen
 in flower & sent to the back garden this morning.

18th April. A fine day, rather hazy, windy day, with some
 sun & some clouds.

19th April. Very W wind & drizzle for most of day but sun
 out briefly except about 2.0 - 2.30 PM. Left home & drove
 to White Gate at W end of Slieve Donard & walked to
 Fair Head & back to car. Much growth of grass &
 some flowers & would have made good sweeping had
 it not been wet. *Thrips* & *Syrphid* & several *Lucina*
Chalcids in flower, but only a few seen here & there
 on beach. *Horobaria* near Fair Head & back to
 White & Knockmore gates full of white flowers
 & just coming into flower & leaf - a very nice sight
 at this stage. Saw pair of *Lucina* on road.

194

24.4.49, cont. Scrub & wood W of road from
Bundary to Garryduff, Glenageary, Co. WI = (2) 24.4.49.
[Name added + then labelled 24.4.49 + not used]

Anteon *tridens* 2♂♂, 1♀

Hermitia *vestita* group ♀, ant. 21

Mesochorus ? 1♂, all black body, ant. 37 {*Mesochorus* *multicinctus* Holmgr. ?
[not a *Mesochorus* ?] A. 45

Exochus ? 2♂♂ taken by Graham = *E. brevis* ?

Lathrolestes ? ♂ ^{ant. 27} *whitelyi* = *L. chrysostomus* Zett. ?

Coelophanes ? : *Oncophanes* ? 1♂, 1♀, ant. 25 & 22

Euclyptus ♂ taken by Graham = *Stethochorus* *minutus* Zett. ♂, ant. 25

Microctonus ♂ taken by Graham

Blacus *tuberculatus* ♀ taken by Graham the first

Triclistus *flavipes* *flavipes* in the field but not taken

but taken by Holmgr. ant. 25-seg.

Exochus *longicauda* ♀ : not taken

Praon 1

Cynipids 3 : not used

Diapriids 1 :

Ichneumon 2 :

195

25th April 1949. A dull chilly afternoon, after a too bright sunny
morning & almost clear frosty night. Left car at about
2.30 P.M. & drove (Boring, no one takes it) to west end of the
Kearney Park : left car at White Gate & went along boundary
wall to foot of The Fungus Glen, then back to car via the pond
& plantation W. of Old. Survey headquarters. Left at 2.55 drove home.
Snaps & best insects in the area as follows :—

1 = Under trees S. of White Gate along boundary wall, & around
slope of heather scrub between Old Survey & boundary; most
snaps & some beaten off heath & heather, grass in places, later in bed.

2 = Bush plantation W. of Fungus Glen & made trees along boundary
wall S.E. of Knockree Gate.

Insects taken at 1 or 2 [7 recorded from each station & then labelled below 1 or 2
on 24.4.49.]

Robur *cucullatus* ♂ & frequently beaten, several ♀♀ : none used

Pezomachus ? ♂, ant. 24. *Hermitia* ? ♂, ant. 20

Pimpla *quadricincta* ♀ swept in open field near plantation belt parallel
to boundary wall : very dark & large specimen !

Stenomacrus *ridibundus* ♂ & 1♀, ant. 24. *Homocidus* *flavolineatus* ♂, ant. 24.
[not used]

Apanteles *fabripes* group : about 6♂♂, 20♂♂ used.

Rogas *cinnamomeipes* ♂, ant. 41.

Spilophanes *occidentalis* ♂, beaten out of heather, ant. 27

Exochus *octopus* ? ♂♂, ant. 35.

Entedon *caterax* ♂, ant. 24

26.4.49 cont. Phoenix Park, DU, cont.

Taken at 1.00 p.m. cont.

Aspilota spp. 3000.14

Quercus laevis (nearly all), *glaucus* (4)

Chrysomelids - large ♀, dark, shiny like ♀ of *glaucus*

Meloidae - small ♀, 4.4.49

Ephedrus plagiator ♂ (1 grade). *Tenebrio* ♂ (2nd. 30)

Aphidius spp. abundant, especially ♂♂, the following all small ♂♂

♂ *A.* - ♂, ant. 14, not known related, not yellowish brown, *proctor* + *pub. flavo* + *hyal.* + *testaceo*, ♂
♂ *A.* - ♂, ant. 16

Proctos - 4 sp. new to me

Chalcids - frequent in woods, *proctor* + *pub. flavo* in *testaceo* at 3

(the accident found in *testaceo*!) =

Bombus *Bee*. *Helorus* *bee* = ♂ *B. lucorum* at 1

26th April 1949. The Swifts gain over at 5.45 am

Went to the wood & in back garden at 2.11 p.m. at 1.15 p.m.

Tell Kennedy water in that Major R. J. Pethley reports having seen 10 Swifts at L. Ballyvaugh, near Foxford, Co. Mayo on

20th April & Daisy now tells me she saw 500 Swifts at Brundagean, WI, on Sunday, 24th, while Graham & I were collecting insects in the wood!

27th - 30th April 1949. Cold, with much rain & some clearing in rain. On 30th went to the wood & in back garden for most of the day & saw the following insects -

Speckled Wood butterfly (first seen on 25th);

Bombus terrestris - a beautiful pair ♂, ♀, *B. lucorum* ♀.

B. lepidus - a pair ♂, ♀ first seen on 26th in flower & the novel to Black Burnant flower.

B. zonellus - a lovely pair ♂, ♀ (worker) on *Adiantum* in Heath

Two *Chalcids* =

Aphidius *testaceo* 4.4.49 (ant. 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000)

10th May 1949. A fine day, but quite dull, with a slight drizzle in the evening. Left home in car at about 10.30 & drove via near to Roundwood, then on to George's Bridge, R. Slaney, at 2.15 drove on E to Knockaderry Cross Roads, where left car & walked north for 1 mile & then ascended Spinans Hill, where had left car. Left for home at 5.30 & home at 6.45. Stopped on outward journey to collect amongst birch wood on edge of old down plantation = *Knockaderry Wood*, 2 miles N. of Harinstown bridge over the Slaney (=1), then drove on to George's Bridge where had lunch & afterwards collected for over an hour on left bank of Slaney for 1/2 mile above bridge in "wazzy" (=2).

4th May 1949 The second nearly all sunny day in succession but with 3rd wind shifted of E. & wind softer, but glass falling steadily & heavily & wind rising in afternoon & cloud dominant after 4 P.M. Skiff of rain at 7.

Left home in car at 2.12 & drove to W. edge of new reservoir in King's River Valley, Co. WI. via the new Ballyboys Bridge: left car about 1 1/2 mile S. of new submerged Buncage Bridge & collected by sweeping along roadside (a little!) & in field & stream along margin of reservoir, where in latter place most of the insects taken were collected. Saw patch of *Geum rivale* in flower in lane from road to shore of lake. John Palmer & his wife being with us & he picked up many fragments of crayfish on the rocky foreshore of the lake, but whether picked up & eaten by him, rats or what there was no evidence.

Ballyboys Lower, Co. WI.

Dolerus crenatus 1♂, 1♀ seen.

Tomostethus laticornis 2♀♀

Cryptinids 16: 2 mounted = *Phygadeuon* ♂ ♀, ant. 20. &

Phygadeuon ♂, ant. 20.

Picrostigenus ruficornis ♀, ant. 29.

Campoplegids 5 none kept.

Proctos 2♀♀, ant. both 21.

4.5.49, cont. Ballyboys Lower, WI., cont.

Bracon of eulicarsus ♂, ant. 29, 2♂♂, 1♀, 1♂, 1♀, 1♂, 1♀.

Apanteles fulvipes ♂.

Alloea contracta 1♂, 1♀, the latter mounted as many as 1♂, 1♀, 1♂, 1♀.

♂, ant. 21.

Pentapleura pumilio 1 small ♂, ant. 21.

Phaenocarpa confusaria 1 small ♂, ant. 21.

Geina eructaria & *longipennis* (about a dozen ♂ & ♀, ant. 21).

D. (Gyrocampa) uliginosa 1♂, 1♀, in *Glyceria* filled ditch, 1♂, ant. 21.

Monostomus curvica 1♀, ant. 21.

Aphidius spp. ♂♂ abundant: 2♀♀, 1♂, ant. 17 =

Proctos 4: 1 ant. =

Chalcids 3: 1 ant. =

Cynipids 1.

Diptera 1 =

Coleoptera 5: 4 ant. *Meligethes* (2) for Dr. Easton.

Hemiptera 4 black, small, *Psylliodes*?

Psyllids 1 =

Parabatus cf. crinitus, 2♀♀, ant. 48.

Found by Mr. Ellis, Ballydoon, Co. E. Bought from unknown host. May 1949.

N.D.S. Hand Comm. 1

8th May, 1949. A most perfect day, much softer than previous week & mainly sunny with W breeze; standing in afternoon, but everything very dry!

Drove via Glenade to top of what was the old road at Glara, Co. WI., arriving about 12 noon. This road has now been nearly destroyed by Forestry Dept. & replanted with conifers, but some parts not yet quite destroyed. Worked down by river, near the Grounds glade, now partly drained & destroyed, & had lunch on river bank just below this, after lunch walked down river along the new Forestry road, across the "Grong Burn" to where a former swampy place was but now nearly drained. Forests, i.e. *Lycopodium*, etc. plentiful but a good many swept in the evening.

1 = Wood from car to river & down left bank of "Grong Burn" to the "Grong Burn" (null off bird!)

2 = Woods for 1/2 mile below the junction of Grong Burn & "Grong Burn", especially *Salix*, *Betula* & *Alnus*, which are growing up on site of former swamp.

8.5.49, cont. Glara, Co. WI., cont.
Insects taken at 1. [17 mounted from 1 - these labelled 29.3.1953.]

Cryptine 4: none mtd.

Pimpla maculator large ♀, not mtd.

P. separatrix small ♀, mtd. *P.* sp. ♂ (4 mtd.)

Schizopyga atria 1 ♂, not mtd.

Steliosia virens - ♂, not mtd.

Stenocranus pectorator ♂, ant. 28. *Stenocranus ruficollis* ♂, ant. 23.

Orthocentrus cf. ruficollis ? ♂, ant. 22, legs mtd.

Stenocranus - ♂, ant. 28 & 22.

Lathrolestes cf. chrysanthus Zett. ♀, ant. 26: very nice!

Promethes 2: not mtd. *Mesochorus* ♂, ant. 32 =

Campoplegid ♂: not mtd.

Mesochorus ♂, not mtd.

Plectiscus 4: 1 ♂ only mtd. =

Ophion ventriosus pupa 1 ♂ (ant. 45) & 1 ♀ (ant. 46) mtd.

Proctos "epitriptus" var. 6" ? ♂, ant. 33.

Colletes brevicornis 4 ♀♀, not mtd.

[*C.* sp. ? 1 ♂ & not seen when labelling?]

E. S. 29, cont. Glass, Wt., cont.

Taken at 1, cont.

Euphorus microcerus Thoms. ? ant. 19.

Eubadizon extensor ♀: not mtd.

Aphidius sp. ♂ ant. 24; dimorphic; very large propodeum, ♂.

Orthostigma sp. ♂, ant. 26.

Exochus lucipalpus 2011 or ♂ 2012: none mtd.

D. fuscus ♀: ant. 24

Aphidius sp. ♂, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228, 230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250, 252, 254, 256, 258, 260, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000.

Proctos: 2: not mtd.

Sargus *mesomus* sp. ♀, red mtd. (1)

Taken at 2. [14 mounted & three labelled 30.3.1953.]

Cryptus 500: none mtd.

Pimpla maculator ♀: not mtd.

P. debilis group ♂: not mtd, also ♀, ant. 23.

P. flavicornis ♂: not mtd.

E. S. 29, cont. Glass, Wt., cont.

Taken at 2, cont.

Pentapleura schutziana! Pimplid ♀, same species as bred by F. S. H. Bay, out of

galled twig on birch (collected at Bannock, head of Glenelg, Wt., ^{earlier in year} ~~about 10 days ago~~)

First & similar gall-tube in same place & at same time to head of *Microplitis* *Lamprose* *basinensis* *Stainton* not little recorded from Ireland (figs. R. P. ^{See E. M. M.} ~~basinensis~~).

Stenocranus stenocranus ♀, ant. 25: large specimen.

Orthostigma sp. ♂: not mtd.

Microplitis ♂, ant. 27 =

Proctos sp. ♂, ant. 24. ^{immature of ♂ and ♂, small, black, with white markings, not mtd. but with 100% of 1 with very prominent, granular, spiracles!}

Ectophasia fortinella ♂, ant. 28

Microplitis sp. ♂: not mtd.

Camptoplegid 5: none mtd.

Theridion? 2 ♀♀, ant. both 21 =

Plectiscus 2: not mtd.

Aphidius 30 in 49 labelled
 12th May 1949. The hottest day of the year so far. W. breeze, soft, &
 & being an all-day, but being a long time up.

Some *Aphidius* sp. ♂ & ♀, emerged from strong *Aphidius* taken
 on 10th June. *Parasitica* (from 10th June) but none from same
 garden, & none at all in it. (Some *Parasitica* & *Aphidius*)
 = *Aphidius* of *renovatus* H. 3♂♂ (ant. 16-17), 3♀♀ (ant. 20-21).

Owing to growth of mould in tube it was not possible
 to preserve the empty skins of the *Aphidius*!

13th May 49. Another hot day, but not so hot.

14th May 1949. Cold & cloudy, as usual, N. breeze;
 but no rain here, though badly needed.

15th May 1949. A lovely day, nearly sunny,
 but too dry, & too sunny, for *Aphidius*!

Left home on car at 10.30 & drove to Ena Park area
 to QC. Stopped to collect in plantation belt on side
 of bye road to E gate of Ena Park & again in
 birch scrub to N. of said gate (=1); then drove on to N.
 gate of Woodbrook House, W. of Hillside, & between railway
 & Mountbelleck canal, where had lunch at 1.10.
 Collected in wood S. of road & along S.E. side of
 canal (W. of bridge) after lunch until 5.30 (=2)

15.5 49, cont.

Ena & Woodbrook area, QC, cont.

Left Woodbrook about 6 P.M. & home at 7.40 exactly.

Woods & birch scrub near, & N. of, E gate to Ena Park
 (=1) 12 till 1.10 P.M. [Only 10 of mine with & then labelled "Ena"
 on 6.4.1953]

Dryinids 3 (2♂♂, 1♀) =

Melichneumon sanguinator ♀ (Gahan)

Cryptus ♂ & *Phygadeuon* ♂ ♂ ant. 22 =
 (file J.F. Pemberton (per Graham Seal 1949))

Phygadeuon Th. ♂ ♂ ant. 22 (Gahan).

Stenobothrus ♂ ♂, ant. 22

Promethes ♂ ♂, ant. 22

Chalcid ♂ ♂, ant. 27. *Sawflies*

Phygadeuon ♂ ♂, ant. 27. *Cryptus*

Pentapleura ♂ ♂

Euclyptus ♂ ♂, ant. 34

Chalcid ♂ ♂ (Gahan) =

Pentapleura ♂ ♂, on *Silene*. ant. 24

Phygadeuon ♂ ♂ on *Silene*!!! ant. 26.

Oenone ♂ ♂, ant. 35.

Aphidius ♂ ♂ not with. *Proctos* 1 not with.

15.5.49, cont. Woods, & scrub, Woodbrook Ho., Co. QC.
 Taken at 2. [30 mounted from 2 & then labelled 2.4.1950]
 Cryptids 3: 1 ♂ mtd. =

Cratichneumon sp. ♂: not mtd.
Phaenocarpa? ♂: not mtd.
Cryptids 3 ♂♂, 1 ♀. none mtd.

Glypta pictipes sp. ♂, ant. 36.
Leptocryptus sp. ♂, ant. 22.
Trichypterus pedicularis 1, ant. 24.
Stenomacrus rebrutus 2 ♂♂: not mtd.

St. sp. ♂: 5 mtd. = St. cf. *cubiceps* 3 ♀♀, ant. 22, 24 & 25.2
 of small, medium & large sizes
 St. cf. *perula* 2 ♂♂, ant. 28.

Mesochorus sp. ♀: not mtd.
Bracon nigratus ♂, ant. 30. B. cf. *conspicuous* ♂ ant. 34.
Euclyptus incertus ♀, ant. 37.
Euphorus xanthopus ♂ (1 ♂), ant. 18.
E. flavicornis n. ♂, ant. 26.
Meteorus pubescens ♂, ant. 31.
Microplitis capitata ♂, very small, ant. 21.
Gnaptotenus pumilio ♀, ant. 22.

13.5.49, cont. Woodbrook, QC, cont.
 Taken at 2, cont.

Adelius flaviventris 1, not mtd.
Phaenocarpa hirsuta ♀ & ♂, ant. 25.
Aphidius cf. *lebidus* ♂, ant. 24.

Leptocryptus alba Nixon 2 ♂♂, 1 ♀ (1 ♂) (Graham), round log pool. 5 eggs.
D. laevipennis 3 ♂♂, not mtd.
D. siniffa ♂, ant. 30.
D. aphanta ♀, ant. 25.

Spalangia sp. ♂, not mtd.
Aphidius sp. ♂♂, 2 ♀♀.

Praon 4: 1 mtd. =

Chalcids 2: not mtd.

Hyphessopus 3: not mtd.

Synaldis. *Solera luniculata* ♂♂ & ♀♀ - long holes.
Solera pulchra ♂♂ & ♀♀ - small holes.

Lodovinus *innotatus* fragment, large *protopar* ♂.

Pontania sp. *bladder* *potentilla*? ♀.

Evening 11.2

15.5.49 cont. Woodhouse 22 cont.
 Butterflies seen: ^{Green Tip (black) 1852} *palus* White & *calceolus*, both in wood N of Crag,
 Orange Tip, Green-winged White, Speckled Wood, Wall,
 Drying, Skipper (tag) 2, at Woodhouse.
 Dragonflies seen at Woodhouse: *Pythocheilus*, *Agallia*,
 ♂ = *Calopteryx* *vires*, ♂ 12; *Libellula* *maculata*,
Brachytrichia *pratensis* under bank of river.
 Coleoptera 3 = *Dorocoma*
 & a black weevil (2 spec.) = *Rhinocytus* *luteus* fide HWD.

15.5.1949. Swiftly, R.C. Fern near Brown's Park, L. Gill, Co. SL.
 I received on 19.5.49. [15 mtd. & these labelled 13.2.53]

Byrrhina ? = *Gastrophysa* ?
Stenocorypha cf. *menula* ♂, ant. 27. *St.* cf. *pallipes* ♂, ant. 29.
Promethes *coarctatus* ♂, ant. 24. *Homocidus* *obscurus* ♂, not mtd.
Apterichia ♂, ant. 21.
Stenocorypha *oscillator* 2 ♂♂, ant. 28/29. *Syllphid* *ventralis* not mtd.
Mesochorus *testaceus* ? ♂, ant. 18 & very short. *Euphorus* cf. *pallipes* ♂, ant. 24.
Aspilota 2 ♂♂, 1 ♀ = *A.* cf. *rupestris* ♂, ant. 26. *A. fuscicornis* ? ♂, ant. 25.
A. melleicornis ? ♀, short petiole & short, short, very green, 9 seg. ant.
Stenocorypha *oscillator* about a dozen none mtd.
D. areolaris tenured ♂, ant. 32. *D. merula* ♂, ant. 36.
Aphidius cf. *53* ♂, ant. 22. 2 not mtd.

20th May 1949. A very fine day, the barometer 15.4, no rain &
 much left over but wind turning from W to E about 10.30 AM caused
 a cloud-jam which lasted till 6 PM, then all away again.
 Drove in afternoon to Glenasmole, arriving at middle lodge
 about 4 PM. I left there at 6.30. Collected (sweeping)
 in three areas as follows:—
 1 = Willow, 15, on shore of upper lake on W side for 150 yards
 above (S of) the boat house at NE corner of reservoir.
 2 = Willow, a marsh, at head of upper lake, the marsh
 only recently left dry by fall of water (about 1 ft) from
 winter level & about on edge of lake yet below
 H.W. level.

3 = By path from upper dam down to middle lodge,
 especially about plants of Box & Rosehip.

Insects not perfect & strong and breeze that
 swept down the glen, but very, more usual
 and then before the rain of last few days!
 Glenasmole, Co. DU

Insects taken at 1. [35 found mtd. & these labelled 11.2.53]
Pentaneura : not mtd.
Byrrhina : 1 small ♂ =
Anomalus ♂ 12 (the only one taken here
 ant. 22).

20.2.49, cont. Glencasmole, Co. Dub., cont.

Taken at 1, cont.

Prion tenuicornis, 1 ♀, a large ♀, ant. 31.

Rogas of *anomalus* ♂, 1 specimen

Euphorus xanthopus not: 4 ♀♀, ant. (21(1), 18(1), + also 2000♂♂ which seem to belong to the same with ant. 22+24.

Alysia truncator ♀ taken off *Salix* or *Myrica* at, ant. 37.

A. sylvatica m. ♀, ant. 24, pale cross. mtd. on its back.

Pentapleura apertula 1 small ♀, ant. 17.

Phaenocarpa galathea 9 ♂♂, ant. (21(1), 22(3), 23(3), 24(2)); 1 ♀, ant. 22.

Aspilota cynipidis ♀, ant. 21.

Dacnusa areolaris group 9 (♂ & ♀)

D. cf. areolaris Nixon, large ♀, ant. 33.

D. (Gyrocampa) cf. alpinosa ♂, on shore of lake, {ant. 27, somewhat m. much regressed.

Prion abietis 1: not mtd.

Monobotus curvatus 1 ♀, not mtd.

Aphidius off 21: 6 mtd. = *A. gregarius* Marshall (length 6 ♀, ant. 19).

A. cf. uncinatus? 2 ♀♀, ant. both 16.

A. salicis 1 ♂, 2 ♀♀, ant. 16, 13 & 13 respectively!

Proctos 1 = *Chalcids* 3 not mtd.

Red Weevil = *Dorytomus tortrix* fulv H.W.D.

Hemichalcid 1 =

20.2.49, cont. Glencasmole, Co. Dub., cont.

Taken at 2. [~~XXXX~~ 6 mtd. from 2 & these labelled 13.4.53.]

Proctos 2: not mtd.

Heraclea areolaris 2 ♀, not mtd. H. = ? ♂, not mtd.

Leptocryptus ♂, not mtd.

Pentapleura apertula ♀, not mtd.

Sm. (Aphidius) piceicornis "5 ♀♀" 1 ♀, ant. 26.

Proctos pulchellus ♂, ant. 14. *Homocidus*, *signatus* ♂, not mtd.

Campoplegid ♀ =

Prion var. *affinis*, ♂, ant. 27, pale legs. 1 specimen mtd., small.

Euphorus 7 = *E. cf. minutus* Nixon. ♀, ant. 17.

E. cf. scutellus m. 6 ♀♀, ant. 16-18 (small), var. not mtd. 2 mtd. legs?

Diaplocheilus capilis (red) ♀, small black, var. smooth, not mtd.

Adelius flaviventris ♂, not mtd. *Pentapleura apertula* ♀, not mtd.

Alysia truncator ♂, ant. 41. *Phaenocarpa piceicornis* ♂, ant. 30.

Dacnusa areolaris group 5 ♀♀, not mtd.

D. cf. areolaris 1 ♀, ant. 22.

D. (Gyrocampa) alpinosa ♂, ant. 26.

Prion of 1, not mtd.

Aphidius off 3: 1 ♀ mtd. = *A. cf. curvis*, small ♀, ant. 17.

Proctos 3: none mtd.

Diaplocheilus 2 = *Baris*

Beetle 1. Hemipteran *Phymatopterus* ♂, ant. 17. *Phymatopterus* ♂, ant. 17. *Phymatopterus* ♂, ant. 17. *Phymatopterus* ♂, ant. 17.

20.5.49, cont. Lifford, Co. DU, cont.
 Taken at 3. [3 mtd from 2 & three labelled 12 to 53]
Cratichneumon ♂ not mtd.
Hemiteles 2 off ♂♂ not mtd.
Stenomacrus ventralis 3 ♀♀ not mtd.
Blaptocampe ruficornis? ♂, ant. 36.
Aspilota cf. *nigrescens*? ♂, ant. 24. *A. cf. n. nigrescens*? ♂, ant. 24.
Dacnusa areolaris group 1 ♀ mtd. *D. silvipes* 1 ♂ not mtd.
Aphidius sp. ♀ not mtd.
Proctos Chalcid. *byrpid* 1 each: none mtd.

22.1 May 1949. A watched morning with SE wind
 & falling glass. Rain set in at 12.30, but
 sun shone out off for periods. Rain
 cleared, stopped at 11.30 at Ballyhenry & tried
 collecting (with M. V. R. Graham) with much success
 down of trees, where each took about a dozen
 specimens. And home at 12.30 & a. still raining.
 at 1 P.M. out off home & down into woods &
 even a wet. H. of the Sculp. Gorge from Lifford
 - Duffin. Very disappointing!

22.6.49, cont. Ballyhenry, Co. WI.
 Taken with much more time of Duffin, Chertland, Oct. 1.
Promethes ruficornis ♂ (♀)
Pentapleura like ♀ & (♀) =
Stenomacrus 2 off ♂♂ (♀) =
Phrudus areolaris sp. ♂ (♀), ♀ 11.13. Pith. he. ant. 15-16.
Helictes ♂ not mtd.
Polystenus areolaris ♀, ant. 26.
Triclistus ♂, ant. 12; 3rd seg. even to last seg.
Proctos 1 =
byrpid numerous, none mtd.

22.5.49, cont.
 In afternoon saw in back garden at 14 Marlborough Rd., Dublin,
Cratichneumon & *E. laevigatus* ♂♂. *Helictes* 1 ♂, ant. 24.
Leptocryptus ♂ ♂♂ seen at back back. *Pimpla* 1 ♂, ant. 24.
Pimpla flavicornis ♂. *Oedonotus* 1 ♂, ant. 24.
Pimpla (Pentapleura) areolaris ♂.

25th May 1949. Cold with plenty of rain! Saw *Cratichneumon* but
 had no flower for it. *Cratichneumon* ♂, ant. 24.
Phrudus areolaris in back garden.

27th May 49. A small ♀ *Euphranta* taken on sides of
trotter path = *Phygadeuon* sp. ♀, ant. 20.

28th May 49. Cold W. wind & rain, but sun, breeze
thunder storm at 2.50 PM. Breeze left sunny
sun in afternoon before storm took a *Baccha* (at
Rosa Canadensis bush) & removed it in back garden
on Glencroft Rd. Home Fly =
Homocidus rubroparvus ♂, ant. 22.
Chistopyga ramburi 2 ♂♂, ant. 25 & 26.
Dacnusa talaris ♂, ant. 33.

29th May 1949. Breeze in afternoon to Glendora &
in spite of cold shower did some collecting
& plenty of insects about. Very heavy shower
at 2.30, & 3.30 PM, with strong cold wind from
SW; but sun in between, before & after.

Swift = 3 areas as follows.

- 1 = Wood between roads at Kilbride, on way to
Othdown, Co. WI, five minutes before 1st shower.
- 2 = Ditch on S. side of road along N. boundary of
Kippure H., E. of lodge; & along E. side of glen
by stream N. of road at lodge, between showers.
- 3 = Birch scrub, S. of road (for wood yard) & N.
of stream at lodge, after 3rd shower.

29 S 49, cont. Wood, where roads meet & between road
just N. of Kilbride, on way to Othdown, Co. WI.

= 1. [13 miles from Dublin] 5 minutes sweeping

Barichneumon albicinctus ♂, ant. 32.

Hemiteles ♂ ♀: not mtd.

Phygadeuon ♂ ♀, ant. 19.

Homocidus stramineus ♂: not mtd.

Stenomacrus ruber: 1 ♂ mtd. *St. ruber* ♂, ant. 26.

Theridion ♂ ♀, ant. 19 =

Gea sp. ? = ant. 29
Holcitis of *pilicornis* ♂

Euphranta cf. *flavicornis* ♂, ant. 25.

Aspilota ♂ ♀, ant. 17, prop. small.

Baccha thurber ♂, ant. 26.

D. bellina ♂ not mtd.

D. leucophaea 3 ♂♂, not mtd.

Praon abjectum 3 ♂

Monostoma curvis ♀, not mtd.

Aphidius spp. 4 = *A. curvis* ♀, ant. 18.

A. recondita 3 ♂♂, ant. all 17, all small, not mtd. 1 ♂, ant. 18.
largely rather dark & antennae longer & darker than those of 2 ♂♂
collected from Glen. curvis, DLI, on p. 216 ant. 18.

Proctos 1 =

Chalcid 1: not mtd.

All collected at X
on shaded map in
roadside stream ditch
& off of fence & bush
and large and apple
tree.



29.5.49, cont. Kippure Hs., Lethdown, Co. WI.
[23 mtd. 8.4.53. 2 x these labelled on 16.4.53.]

Taken at 2. at 1, 200ft alt. + some!

Dicranota rufoniger ♀, red abd., ant. 26.

Hemiteles sp. ♂, ant. 21.

Chorebus sp. ♂, ant. 28.

Promethes pulchellus ♀. not mtd.

Stenomacrus ventralis 29♂ (2000-2000) + 13 other ♂♂ =

= *St. cubiceps* Th. 8♂♂ (ant. 26-27-28); 3♀♀ (ant. 24-25-26).

St. cubiceps ? ♀, ant. 23. Very small, but I think same species as above! legs darker. A.W.S. 1953

St. cf. granulosa m. ♀, ant. 23, dark.

Orthocentrus protuberans ? ♂ ant. 28. O. of fulvipes or radiatus? ♂

O. asper ♂, ant. 23. ? very dark stigma, genital not mtd. 2. + 29.

Adelophallus brevicornis ♀, ant. 14.

Pentastemon sp. ♀, ant. 21.

Proclitus ? sp. 2000, ant. both 21

Belantsea brevicornis ♀ mtd. *Conophanes lanceolatus* ♂, ant. 26.

Chrysocentrus ventralis ♀, ant. 34.

Apanteles fulvipes group ♂♂, not mtd.

G. suberosus M. ♂

Opus cf. *strepus*? ♂, ant. 24.

Phaenocarpa rufipes & *compunctator* 1♀ each, neither mtd.

Laemone leucophaea 2♂♂; not mtd.

Praon abjectum ♂, not mtd. *Praon volucre* ? ♂, ant. 25 - See also p. 229 →

Lophoceros aff. 7: 2 mtd. = { *a. evanescens* ♂ ant. 26 & no distinct stigma n. in forewings. & *a. cf. praecursum* ? ♀, ant. 17.

Proctos 3 none mtd. labelled 1: not mtd.

29.5.49, cont. Kippure Hs., Lethdown, Co. WI.

Taken at 3. (2000-2000, 200ft alt.) [13 mtd. from 3 x these labelled 17.4.53.]

Dryinus ♂ & ♀, 992: 1♂ only mtd. =

Phygadeuon ? ♂; not mtd.

Promethes rufoniger ♂, 2♂♂. *Homocidus pallipes* ♂, not mtd.

Orthocentrus protuberans 3♂♂: 1 only mtd., ant. 31.

Stenomacrus ventralis 29♂. *St. radiatus* ♂ (2000-2000) { 1 small ♂, ant. 23? (ridiculously? has no apical! abscising tendons! sent to Graham.

St. cubiceps 39♂ (ant. 23). *St. rufoniger* ♂, ant. 27.

St. cf. affinis ♀, ant. 23.

Phaenocarpa sp., small, 1♂, 1♀, ant. 20 & 28. M. sp. larger ♀, ant. 37.

Adelophallus brevicornis ♂, ant. 14; cf. ♀ taken at 2 (off page).

Apanteles ♀ of *schizopallipes*! Not mtd.

Phaenocarpa sp. ♀, ant. 21.

Euphorus cf. *notidatus* mtd. ♀, ant. 20. *Entedon* ♂, not mtd.

Gnathochorisis *pumilio* 2♂♂; not mtd.

Oenone *levis* (not mtd.), also very shiny tail end!

Phidippus aff. 2000 not mtd.

Ephedrus *brunneus* ♀, ant. 10-11; 2-4 broad!

31.5.49. *Bombus jonellus* ♂, very fresh, seen in back garden, 144 Glavinilla Rd., Bkt.

1.6.49. *Coccyzus hortorum* ♀ seen in back garden.

1st June 1949. A fine cool morning with low clouds, glass
 & NW breeze. About 10 AM (8 AM) wind turned east with
 rain & drizzle. In afternoon a thunderstorm formed
 with heavy rain on S.W. coast. I left school & the
 wind veered to SW. in late afternoon.

After tea, ca. 6.40 drove in car to ^{Manor}-Kilbride,
 Co. WI. & sought some more *Triclistus* (taken
 on Sunday 12th May (see sketch map on p. 221, notes))
 for half an hour. Later drove to Ballynascorney
 Gap where left car & climbed Slieve na h-arnog
 brilliant sunshine. Left there 7.30 P.M. for home.

Insects taken in wood in Δ taken road at

Manor-Kilbride, Co. WI. 7.0 till 7.30 P.M.

[18 mounted & three labelled 20.4.1953.]

40

or previously?

Aphidius 2000 - 2000 (1000)

Cryptinae 500, including *Aspilota* sp. 53, ant. 27

Microgaster sp. 1000 } 3000 *Aspilota* 3, not all.

Mesochorus *eximius* 2, 2000 & taken at Ballynascorney
 ant. 16. ant. 16. on 25.5.49

Promethes cognatus 10, 2000, not all.

1. to 49, cont. Manor-Kilbride, Co. WI., cont.

Stenomacrus [name] (not recorded before 1953)

St. ruficornis 645. & 2 other specimens =

St. ruficornis 4000 (ant. 25.6) & 2000; 14 (ant. 25).

Pteromalid sp. pale colour = *Aspilota* sp. 11, ant. 22.

Rogas sp. 1000, ant. 20.

Euphorus 4 = *E. fulvipes* 10, 19, ant. both 16.

E. cf. fulvipes 2000, ant. 34 & 26.

Bracon *impressus* sp. ant. 43.

Apanteles *strepens* sp. ant. 24.

Phaenocarpa ruficornis 1000 large sp. ant. 29.

Alloea contracta sp. ant. 25.

Aspilota ruficornis sp. 3, ant. 25, as doubtful - 1st off head.

& 3 other specimens = *A. atra* sp. 9, ant. 23.

A. cf. atra sp. ant. 23, rugose propodeum & double.

A. (Sagittaria) cf. fulvipes 10, ant. 20, 19, ant. 17.

A. sp. 9, ant. 19, body black, no double, propodeum
 smooth with central rugose stripe on mesepimeron.

1.6 49, cont - Menor-Hillside, Co. WI., cont
Dacnusa adducta - large ♂, ant. 30.
D. aphanta - see below [But no more *D. thibide* taken!]
D. senilis ♀, ant. 28, put a large specimen.
D. temula 2 ♀♀, ant. 25 & 26, put a large specimen - latter ♀.
D. thibide ♀, ant. 31.
D. ama 1 large ♂, ant. 39.
D. ama ? a small ♀, with only 27-seg. ant., & very narrow tergite!
D. aphanta ♂, ant. 25, very dark legs!
~~Also~~
D. areolaris (10 ♂♂) 10, small; dark legs! Not mtd.
D. longipes (10 ♂♂) 10, small; not mtd.
Aphidius spp. 16 - none mtd.

Proctos 7: 3 mtd. =

Chalcids 7 - not mtd

Cynipids 2 3: not mtd.

Hemiptera 1 =

Beetle 1 = *Oniscus asellus* fide H.W.D.

14th June 1949 (Sat) A cold sunny day, with some
 but much hot sun. In evening, down to Menor-
 Hillside, Co. WI., on 13th June, & swept in A. labrum
 road for 40 minutes (7.20 till 8.0 PM).

Insects taken as follows: -

Menor-Hillside, Co. WI.

[40 mounted & then labelled
 25.4.1953, separately.]

Aphidius rubicundus ♂, not mtd.

Saigys = *Pteronidea myrtilidis* ♀.

Cryptus 4 + all mounted = *Hemiteles* ♀, ant. 31.

Hemiteles ♂, ant. 26, also a ♀, ant. 25.

Stenomacrus ♂, ant. 29.

Pimpla flavicollis ♂, ant. 28.

Stenomacrus ventralis 4 ♂♂, & 2 ♀♀, none mtd. See below!

Proctos *palustris* ♂, not mtd. *P. signatus* ♀, not mtd.

Polyblastus ? mounted 1 ♂, ant. 28. (1?) *Proctos* mtd. ♀(?) ant. 30.

Chalcids 7: 1 only mtd. (ant. 30)

=

Eulophus fontinalis ♀, ant. 22.

Stenomacrus cf. *deletus* Th. ♂, ant. 27.

St. fumipennis ♂, ant. 25.

St. cf. *brunneus* ♂, ant. 21, but stigma rather broad & dark stained.

St. cubiceps 2 very small ♀♀, ant. 22/24 & 24/25.

1948

4.6.49, cont. Manor Kilbride, WI, cont.
Trachusa sp. 2 red lines, ant. 28.
Prion sp. 2, small, dark lines, ant. 26.
Myrmica sp. 2.

Plectiscus 3: 1 mtd. =

Apanteles sp. 2, small, ant. 21.
A. sp. 2, large, ant. 24.

Colletes truncatus 4 ♀♀: not mtd.

Rogas circumscriptus ♂, ant. 40.

Euphorus fulvipes 3, ant. all 16.

E. pallipes 1 ♂, ant. 25.

Macrocentrus cf. *nitidus* Hal. ♀, ant. 47.

Opius sp. 2, small, ant. 23 & 24.

O. cf. *lucis* W. 2 ♂♂, ant. 23 & 24.

O. *caulis* Hal. ♀, ant. 24.

Phaenocarpa ruficeps 1 ♂, 1 ♀.

Aspilota venusta ♀, small, ant. 24, legs rather pale.

A. prona large ♀, ant. 22. *A. curculionis* ♀, ant. 17.

A. (*Synaldis*) cf. *undulata* Hal. ♀, ant. 19.

Trachusa cretensis group 10, mostly 28, some 29.

D. fulvipes ♂, not mtd.

D. numa minor 1 ♂, ant. 38.

1949

4.6.49, cont. Manor Kilbride, WI, cont.

Toxares deltiger ♀, ant. 19.

Prion *volucre*? ♂, ant. 25, discal white ring missing.
Aphidius spp. 13: none mtd. NB: Have another similar ♂ with also 25-seg ant. & 2 ♂♂ with 27-seg. ant. all of which seem to have originated to be *Aphidius* *volucre*? A.V.S. 1953.

Proctos 1 =

Chalcids 2: 1 mtd. =

Cryptids 1: not mtd. *Exochus* & *Helictes* sp. 1

5th June 1949. A very nice day, with much sun. Wind NW-W-SW in forenoon, SE & stronger in afternoon along coast.

From to Killybegs, The Bannagh, Co. WI, & collected by

camping in these areas. ——— H.N.R. & J. (the first).

1 = coastal dune outside Killybegs, just S. of old station,

down to H.W.M. [25 mtd. from 1 & these labelled 26.4.53]

Tachypoda pectorator & *Exochus* *fulvipes* seen.

Exochus *caulis*, *Exochus* & *Helictes* seen.

Phaenocarpa sp. ♂, not mtd.

Phaenocarpa sp. ♂, not mtd.

Phaenocarpa sp. ♂, not mtd.

Phaenocarpa sp. ♂, not mtd.

Phaenocarpa sp. ♂, not mtd.

Phaenocarpa sp. ♂, not mtd.

Phaenocarpa sp. ♂, not mtd.

Phaenocarpa sp. ♂, not mtd.

S. 6 4g, cont. Killarney, WI., cont.

Taken at 1, cont.

Staphylinus sp. ♀, ant. 17.

Atractodes sp. ♂, ant. 24. ♀, ant. 19.

Orthopelma sp. ♂, ant. 21.

Pimpla maculator 2 ♀♀, not mtd.

[No *Tryphoninae* taken (yet)]

Theridion 1 ♂, 2 ♀♀, small black sp.: not mtd.

Campoplex 7: none mtd.

Bracon cf. *denigatus* ♂, ant. 26, but wings not very dark!

Apanteles latreus ♂ & ♀. *Ap. fulvipes* group ♂: neither mtd.

Sigalphus caudatus? ♀, ant. 20, large; large 3rd antennal segment (not accurate) (all mtd.)

Meteorus rubens ♂ rather dark ♀, ant. 25.

Dacnusa areolaris 2 ♀♀ not mtd.

Upius rufus ♀ mtd. *Proctos* *rusticus* Hal. ♀, ant. 38.

Idiota meridiana ♀ - the first specimen I have taken so far! Ant. 25.

Allysiid *meridiana* ♂: not mtd.

Aspilota (*Synaldis*) *peruviana* ♂: 1 minute ♂ not mtd.

Microgaster areolaris group 13, all ♀♀: not mtd.

D. cyclops 1: not mtd.

D. acce ♀ ant. 22.

S. 6 4g, cont. Killarney, WI., cont.

Taken at 1, cont.

Coelinius viduus 2 ♂♂.

C. cf. niger = 2 ♂♂, ant. 41 & 42 (both mtd.)

Aphidius spp. 4: only 2 mtd. = *A. blacki* (mtd., ant. 21).

A. 2 minute black ♂♂, ant. both 14, with post orbital vein!

Proctos ♀: 2 mtd. = *Galesus* sp.

+ *Coelinius*? ♀

Chalcids abundant: none mtd.

Butor sp. seen: *Butor* sp. 2 ♂♂. Small black 2.

Theraps *hyemalis* 1: not mtd.

Beetle 1 = *Meligethes* ♀

The following taken by *Microgaster* & not seen by me although

we were close together sweeping all the time in early m.

S. 6 49, cont. - Killough, W.I., cont.
Taken at 1 by Moore Graham, cont.

Taken by me at 2. [26 mtd. from 2 others] [det. H. of Broad L.]

N.E. corner of The Broad Lough & salt & other meadows near
same, 3/4 mile S. of Killough, old railway station. 5.2.20 [H.]
Sch. at 1 ♀ = *Aethiura placida*, ant. 22. [det. H. of Broad L.]
Cryptus 10. 10 mtd. = *Phygadeuon* 4. ♀, ant. 19, small.
Pezomachus ♀, ant. 22. *Pez.* ♀, ant. 23.
Phygadeuon ♀, ant. 22.

Polyblastus ♀, 1 ♀, not mtd.: not seen (det. H. of Broad L.)
Stenomacrus 3 ♀♀, 2 mtd. (det. H. of Broad L.)
but probably *St. curvicauda*, though one has *funclifera* and the other is
no mtd.; ant. 28.
Chalcid 1 ♀, not mtd.

Mesochorus ♀, small (near *gibbatus*?)

S. 6 49, cont. Broad Lough, Killough, W.I., cont.
Taken at 2, cont.

Apanteles fulvipes group ♂, not mtd.
A. ♀, not mtd.
Triclistus pubescens ♂, ant. 20. *Euphorus pallipes* ♂, ant. 20.
Spin. flavicornis m. ♂, ant. 22. first only, some specimens taken
* 10 (ant. 19) + 2 larger ♂♂ (ant. both 21) only mtd.
Aphidius cephalotes ♂♀, none mtd.
In box of bread, found in full view of the house. 5.2.20 [H.]
Chenopoda dimorpha ♂♀. Type ♂, ant. 22. [det. H. of Broad L.]
Aspilota (*Synderia*) ♀, ant. 16. [det. H. of Broad L.]
Zenobius erichsonii (det. 2.2.20) ♀, ant. 16. [det. H. of Broad L.]
E. curvicauda ♂, large, ant. 24. [det. H. of Broad L.]
E. (Pezomachus?) ♀, ant. 20. [det. H. of Broad L.]
Proctos common ♀, not mtd. [det. H. of Broad L.]
Aphidius spp. 4. 1 only mtd. =
Aph. curvicauda Hal. ♀, ant. 13, with 10 segments and yellow & bright
yellow base to antennae, prominent & tergite 1.

Proctos 10. none mtd.

Chalcid 13. none mtd.

Cynipid 1. not mtd.

Beetles 7 = *Bembidion aurantiacum* (3 mtd.); *Coryphus littoralis*;
& *Anaspis maculata* (6 mtd. examples); all from H.W. Belling.

5.6.49, cont. Broad Camp, Killough, WI., cont.
 Taken at 2 by Marcus Graham!
Microplitis exulans ♂.

5.6.49, cont. Killough, WI., cont.
 Taken by me at 3. [36 mounted from 30 that labelled 1.1.1954]
 Marshes N. of line to old station, side of lake, &
 for 1/2 mile W. of station. Sawfly = *Mesochorus pulvipes* ♀.
 Cynipids 11, including *Stilpnus pygmaeus* ♂, 248 (not mtd.)
 Hymenoptera ♂, ant. 22, *Exochus* ♂, ant. 22.
 H. sp. smallish, red, ♀, ant. 20.
 Braconid ♂, 348, ant. all 19, not mtd. on card.
Pimpla stercorator ♀, ant. 26, my 1st ♀ of the species! Flies on 9 like in Co. Donegal by A.M. Grogan
P. maculata ♀, not mtd.
Chalcidius pallipes ♂, ant. 24.
Orthocentrus rubicundus ♀, ant. 35.
Chalcidius ♂, ant. 31 =

5.6.49, cont. Marsh, Killough, WI., cont.
 Taken at 3, by me, cont.

Homocidus elegans ♂, dark brown, ant. 25.

Campoplegid 3: none mounted.

Microgaster parvulus ♂, sp. 1st, off at edge of lake, near
 (= *Microgaster parvulus*, n. sp.), ant. 19.

Brachymeria ♂, ant. 40.

B. undulatus ♂, ant. 24.

B. sp. ♂, ant. 25.

Apanteles callidus ? ♀.

A. formosus ? ♂.

Euphorus pallipes ♂, ant. 25.

Mesochorus ictericus ♀, ant. 32.

Phaenocarpa longipennis ♂, ant. 19.

Microgaster similis Hal. ♂, ant. 22, ant. 36.

D. varius ♂, ant. 22, ant. 36. Sp. mounted? (see above) given to M.G. *D. mydis* ♂, ant. 22, ant. 36.

D. varius ♂, ant. 22, ant. 36.

Coelinius rufipes ♂, ant. 22, ant. 36.

Ephedrus ruber ♂, ant. 22, ant. 36.

Aphidius ♂, ant. 22.

Proctos 2 *Pentapleura* ♂, ant. 22.

Beetle 3 = *Hygroplitis* ♂, ant. 22.

Diptera 3 =

Microgaster 19, 1st, off at edge of lake, near
 (= *Microgaster parvulus*, n. sp.), ant. 19.
D. varius ♂, ant. 22, ant. 36.
D. mydis ♂, ant. 22, ant. 36.

5.6.49, cont. Killarney road, S.W., W.I., cont.
Taken at 3 by Marcus Graham

6th June 1949. Tryphonine ich, red abd., ♂, taken in garden
in motor house, 14 Clonsilla Rd., Ball.

— Monoblastus. ♀, ant. 31.

10th June. Ich taken in garden. Thrinoblastid ♂, ant. 26 =

12th June 1949. A hot steamy day, with mist & drizzle at
times, & heavy rain following at night.

Left home in car at 10.30 for Glen of Awe, with
Keith Lamb, Marcus Graham & his friend Ned Dundell
in back. Arrived at house on Little Pines at
11.45 & walked up to ridge behind Benara Hill
& so into N. Pines & eventually reached summit
of Loughaquilla, 3139 ft., about 5 P.M. Very hot &
steamy all day, overcast, no going very slow.

Saw *Lycopodium alpinum* & *clavatum* on
ridge at ca. 2,000, as usual, & with *Senecio*.

12.6.49, cont. Glen of Awe & Lougha. Co. WI., cont.
Found one small plant of *Antennaria dioica*, about 1 ft.
Landed site for *Senecio* hypnoides at S. corner of the
North Pines, but for some reason did not see the
plant & had not time to return to look for it.

Senecio *Pendula* from S. Pines from respectively
N.E. & S.E. of the farm in N. Pines, both very green
after recent rain & the 3 clumps of the pines all
appearing healthy, though I take it their first crop
of this year's pines had been burnt up by the earlier
hot weather & drought, & probably from & shrivelled
leaves on all plants. Left summit at about 5.15,

had tea by car at Boan, left for home about 7.45
& home at 9 P.M. approx. Wind all day in hills
over 2,000 ft. & absolutely no rain was observed above
this height. Collected mosses from 2,000 to 2,200
ft. in N. Pines for home. Thomson. Also walked
for ten minutes in woods by the farm in N. Pines at
ca. 2,200 ft., where Graham swept much, getting
S. of entrance to the Pines at ca. 1,500 ft. & also at
840 ft. →

14.6.1949, cont. Royal Canal, N.D., cont.

Insects taken at 1, cont.

Crucian maculipes ♂, ant. 33 { same genital complex with red tip of
ant. 33, but 2nd & 3rd segments
of ant. 33 much shorter, strongly curved

B. cf. excrucians ^{head of ant. 33, 1st seg. 4 to 6, 2nd seg. small} ♂, ant. 33, 1st seg. 4 to 6, 2nd seg. small

Spantula cf. curvicauda 1st. *A. albipennis* N. ♂, ant. 33

Meteorus leucostictus ♀, very dark, ant. 26.

Opius exilis Hal. 4♀♀, ant. 20, 21 & 22, 1st seg. with trace of a black spot

D. pectorator ♀, ant. 19.

D. ruficornis ♂, ant. 25.

Phaenocarpa piceicornis ♀. *Pentapleura parvula* small ♂.

Orthostigma curvicauda large ♀, ant. 21;

Aspilota ducum ♀ 2 ♂ others = 2 seg. 1st =

A. cf. excrucians ? ♂, ant. 22, prop. red, small, 1st seg. 4 to 6, 2nd seg. small

A. (Synaldis) ♀? , ant. 23, 1st seg. 4 to 6, 2nd seg. small

Dacnusa areolaris ♂, ant. 35 & 41.

D. areolaris group: 2♀♀, ant. both 39 =

D. areolaris group: 4 ♂, *D. (G.) albipennis* ♀, ant. 25, head brown

Colletes conjugens 2♀♀, on water in ant. 20 & 21.

Aphidius lacertorum ♂, ant. 20, 1st seg. 4 to 6, 2nd seg. small

Praon volucre ? ♂, *Aphidius* spp. abundant on water.

Aphidius cf. *volucre* ♀, ant. 20.

Proctos 3. Chalcids 5. Cynipids 2. New ant.

Dipteron ♀ 1 = *Loxocera cristata* ♀

14.6.49, cont. Rosthern, R Canal, N.D.

Taken at 2. [16. 2. 2 from 2 & 3 labelled 20.12.1952.]

Colletes brevicornis 1 ♂ *Rhyssalus clavator* ♂, rather mounted

Colletes vestigator ♂, ant. 25.

Aphidius cf. ruficornis 1st. *Acanthia ruficornis* ♂, ant. 25.

Opius irregularis ♀, ant. 25.

Pentapleura piceicornis W. small ♀, ant. only 39. [For *Fibromorpha* see p. 242 →]

Pentapleura angustula 2 small ♀♀.

Phaenocarpa ruficornis ♂.

Orthostigma angustula, small ♂, ant. 20.

Aspilota minuticornis W. ♀, ant. 16. *A. pilulata* m. ♂, ant. 26.

A. ducum ? ♂, ant. 22. *A. cf. pectorator* ♂, ant. 22.

Dacnusa pubescens, *longicauda*, ♂, 15, none mounted.

D. elongata ♂, ant. 26, large ♀, ant. 30.

D. ruficornis ♀, ant. 35.

D.

Aphidius spp. 15, none mounted.

Proctos 3 none mounted. Chalcids 5. Cynipids 1. New ant.

Beetle *Barypittes pallidus* ant. 22.

74²

14.6.49, cont. R Canal, 12, cont.

steroid 107 not all out. 28 =

Pomathia cognatus ♂. Adults.

2/2

Buckhensy, June, Co. WI.

Dry need 50

Bethylus fuscicornis ♀: not mtd.

P.T. 10

15.6.49, cont. Buckeney dunes, W1, cont.

Taken at 1, cont.

Pimpla brevicornis ♀ not id.*Campoplegid* 4: none id.*Theridion* 1 ♂: not id.*Chalcids* 3: none id.*Diptera* = *Volucella bombylans*
1 ♂: not id.

Taken at 1 by Marcus Graham.

Taken at 2. Buckeney marsh. (20 mtd. from 2 - these
labelled Oct 1950.)

15.6.49, cont. Buckeney marsh, W1, cont.

Taken at 2, cont.

Syrphid *Pelanderia flavus* ♂ + 3 *Nematodes* (all *Helicoverpa*)
= *Pelanderia* *signatus* ♂ + 1 ♂ of *Helicoverpa* *signatus* ^{very small}
_{hard head}*Cryptids* 12: none id.*Chalcid* sp. 1 ♂: not id. + 3 *Thyridids* =*Symplocaria* *germanica* ♂ not id.*Syrphid* *Pelanderia* ♂ not id. } *Thyrid* *signatus* of *Helicoverpa* *signatus* ^{very small}
_{hard head}*Campoplegid* 3: none id.*Bracon fulvipes* + *fulvipes* ♂ + 3 ♀.*B.* of *signatus* *signatus* ♂, not id. ^{very small}
_{hard head}*B.* of *fulvipes* *fulvipes* ♀, not id. ^{very small}
_{hard head}*Apanteles* *fulvipes* 2 ♀.*A. fulvipes* ♂. *E.* of *fulvipes* ♂.*Microplitis* *nauplius* ♀.*Microplitis* of *fulvipes* 2 ♀.*Opis* *fulvipes* 2 ♀, not id.

15.6.49, cont - Bunkering, Manor, WI., cont.

Taken at 2, cont.

Dacnusa areolaris group 4: none taken.

D. (G.) siniffa ♀, pet. 22. *D. (G.) albipennis* ♂, ant. 34-35, small.

Ephedrus validus 3♀♀

Aphidius sp. 2

Proctos. 1.

Chalcids 4.

Dacnusa siniffa = *D. (G.) siniffa*
D. (G.) albipennis = *D. (G.) albipennis*
 1 = *D. (G.) albipennis*
 1 = *D. (G.) albipennis*
 1 = *D. (G.) albipennis*
 1 = *D. (G.) albipennis*

Taken at 2 by Marcus Graham

Lagoon (edge of), in Bunkering, Manor, WI.

Taken at 3. 4.0 P.M.

Brachon pectoratorius 2♀♀. *Opius ruficornis* ♂: ant. 28.

Dacnusa areolaris 1♀: ant. 22.

D. (G.) siniffa 4 = *D. (G.) siniffa* 200, 1♀, ant. 32, 27, 27, 27.

D. (G.) siniffa 1, ant. 30, small head.

Head of 1 with 1 eye at 1/2 ant. of other 4 prolegs.

17th June 49. A perfect day, cloudless, very hot sun, but fresh & cool S.E. wind; lizz. everywhere & no distant view. Driven by Frank Mitchell with J. P. Brunker & Miss Hills & back to Ballyglan, Hacketstown, Knockanure & home via Ballysherry Gap into the Glen of Smal & so to river road & home.

Left Bunkering at 10.30 AM, Hacketstown at 12.20, Lady's Ford over Slaney (Kilmarney) for lunch at 1.30, then on to bog R of Knockanure (2.30 till 4 P.M.) & smaller bog 4.45-5 PM, where had tea & left for home about 5.30 & home about 7 P.M. Did some sweeping at the four places but insects very scarce owing to type of ground & hot sun. As follows:-

- 1 = Hacketstown Bog, 2 1/2 miles S of Ballyglan, 1/2 mile SW of Lady's Ford, Co. WI. Saw many nice plants including much Cranberry, *beris timora*, *C. virens*, *C. teretiuscula*, *C. rostrata*, *C. disticha*, *C. gordonii*, & *ginsella*, *C. oculata*, *C. penica*, &c.
- 2 Field by R Slaney, margin of river (left & right bank) just above the bridge below the old ford at Lady's Ford, Kilmarney (Slaney Park), Co. WI.

17.6.1949, cont.

3 Bog N. of Knockanure, Co. WI.

4 Bog 1/2 mile N. of Mullan Cross, Dundragan, Co. WI. ^{100 specimens in flora of Wicklow}
 where found *Wicklowia lutea* & *l. pinnatifida*
Chenopodium, *Hypnum* etc.

Locusts taken at 1 (Holdenstown Bog), Co. WI. Nov. - 1.30
 [1 labelled 25.10.1951: remainder not labelled till Sept. 1960. A.W.S.]

- Dryinid ♀ =
- Schneumon laterator* group ♂; ant. 28 =
- Epitomus "pygmaeus"* ♂ not mtd., no young specimen! A.W.S. 1960.
- Theridionid 1 = *Phaeogenes*? sp? ♂, ant. 27, slender red abd., ant. coarse, etc.
- Cryptinid 3 = *Hemiteles* ♂, ant. 23. *Euclyptus* sp. ♂, ant. 28.
- Sp. d. sp? ♂, ant. 21 =
- Stenomacrus* of *collidulus* } ♂, ant. (26?), dark prothorax!
- Stenomacrus* of *ovis* } ♂, ant. 20.
- Euclyptus*? 1 = *Syndipnus lateralis* ♂, ant. 38.
- Meloboris* sp. ♂, ant. 33; red coarse.
- Bracon fulvipes* 3♀♀ & 2 other specimens =
- B. cf. longicollis*? ♂, ant. 34. { possibly only a dark-legged form of *fulvipes*, but proximal abd. segments longer & darker than usual - ♂ of that species.
- B. stenotegus* sp. n. Type ♀, ant. 22: near *rugosus* mtd., but sterna narrow head globose, tergite 3 sculptured, legs very small. ? somewhat lateral. A.W.S. 20.9.1960.
- Ascogaster instabilis* ♂, ant. 25

17.6.49, cont. Holdenstown Bog, WI, cont.

Taken at 1, cont.

- Microgaster globatus* ♀
- Apanteles* sp. ♂ = *A. obscurus* 1♂, 1♀.
- A. cf. fraternus* ♂.
- A. cf. near infimus*. Hal. ♂, but mesonotum irregular, with 4 tergites, shorter & broader, etc.
- Perilissus* of *melanura* mtd. 2♂♂, ant. 23 & 24.
- Epomus* *irregularis* ♀: not mtd.
- Stenomacrus* *crucians* group 2♂♂: none mtd.
- D. curtipalpis* 1♂ (ant. 34); 2♀♀ (ant. 29 & 31).
- D. notia hirs* (= *coracina* Stålfo) ♂, ant. 25.
- Aphidini 'avenae' 2♂♂, 1♀: 1♂, 1♀ mtd., ant. 21 & 18 respectively!

Lady Pond, Holdenstown Bog, Co. WI

- = Taken at 2.
- Cryptinid* ♀: mtd. = *Phygadeuon*? sp. ♂, ant. 19.
- Phygadeuon*? sp. ♀, ant. 18.
- Leptocryptus* sp. 2♂♂, ant. 25 & 26.
- Triclistus* 2 = *Tr.* sp. ♂, ant. 24.
- Tr.* sp. ♀, ant. 30, but small thorax.
- Meloboris* ♂: not mtd.
- Triclistus* ♂, ant. 29 =
- Sampled - *Tomostethus aphidivorus* 1 typical & 1 mtd. (♀♀).

17.6.49, cont. Lady Ford, WI, cont.
Taken at 2, cont.

Bracon ♂ = *B. sagittator*, var. with small legs & deeply furrowed lines
hind femora, blackish apex to hind tibiae, ant. both 31.

Pezomachus irregularis ♂, ant. 53.

Euphorus cf. *pallipes*? ♂?, with smooth side lobes ascending, ant. 25, ♀?, ant. 26.

Metacoelus cinctus ♀, ant. 27.

Opus ♂ not mtd.

Aspilota fabrilis S&G. ♀, long tail! Ant. 20.

Dacnusa areolaris group 4 (♂ & ♀)

D. melanocera ♀, ant. 31, with orange bristles longish 2; also a ♀ with smooth longish 2, ant. 20.

D. persimilis ♀, ant. 25.

D. ventris ♂, ant. 34.

Coelinius rufipes n. sp., ♂, ant. 42.

Aphidius sp. not mtd.

Praon 3: not mtd. =

Bog, N. of Knockanure, Co. WI. (= Rathduff near townland?)
= Taken at 3. 6 taken & 1 Praon in the bog!

Homocidus ♀, *Thyridopterus*

Triclistus 4 = *metacarpus*

2 ♂ = *Angitia lateralis* Grav. 3 ♂, ant. 31, 32 & 33.

Praon 1

Large Heath Butterfly. Observed in N.W. 2.

" 1/2 mile N. of Tullan Lough, Rathduff, Co. WI.
to the 100 Bracken in
area of 100 Bracken.

17.6.49, cont. 32 Bog, N. of Knockanure, WI, cont.

Labelled N. of Tullan X
G.W. - A.W.S.
(H) 17.6.49

= Taken at 4.

Brachymeria ♀, with all red antennae & vestigial wings

= *Prenantia ruficornis* var. *subcapitata* Kieffer. A.W.S. 12/8/1960.

Attractodes or *Stilpnus*? ♀, ant. 19, not mtd.

Glypta elongata ♂, ant. 38.

Opus irregularis ♂, ant. 25.

Beetle.

Aphidius sp. ♂, ant. 18.

Marsh Tittling (swamp) several seen, but the only Heath Tittling seen here was the Small Heath. (H) 17.6.49.

17.6.1949. Dragonflies seen during day, none -

cont. *Agrion virgo* 1 ♂ by R. Slaney at 2 & 1 ♂ by Slaney at 4.

Libellula quadrimaculata about 100 at bog pool at 3.

Other small species seen but not identified.

19th June 1949. Fine & hot for day, clearing
away all day, breeze, & with very strong, cool,
easterly wind. Drove to Kippure Lodge, Athdown, Co. WI,
arriving about 11.15 AM. - Drove to car, left car in
shade of tree & with me back ascended the
Athdown Brook, which flows into the R. Liffey
just below Kippure House. Had lunch at 1 PM
in gorge below a small waterfall, & then pushed
on onto the ridge between Scelfings & Kippure
- alt. of ridge about 2100 - 2200 ft. - on reaching
the ridge turned east on to a saddle where some
nice pools & then back down a tributary of
the Athdown Brook to the waterfall & so back
to car, where had tea about 5 PM.

Collected a few insects in gorge below the waterfall
before lunch, where small & old trees of Birch,
Hazel & Ash bush grow, & collected some
water beetles in the pools on the col at
about 2100 ft, where also saw *Cornus*, *Geranium*

The only plants of interest
seen during the day were *Hyssopus* *Heracleum*
by the waterfall at about 1300 ft (?) & *Vaccinium*
Viburnum & *Compositae* *regium* on the ridge at
2,000 to 2,200 ft. on both WI & DU. sides of the county boundary

19.6.49, cont. Athdown Brook, Co. WI, cont.
Collected 2 bags of moss & lichen for Miss Thomson
on way up - one below the waterfall & the other
above this, i.e. from 1200 ft. to 1300 ft. & from 1200 to 1500 ft.
approximately.

Insects taken by the Athdown Brook, below the
waterfall on way 1200 to 1300 ft. approx.
12 noon to 1 P.M.

Original 2 =

Cryptus 200 = *Hemiteles* sp. ♂, ant. 23. *Abtractus* sp. ♂, ant. 23.
Mesochorus 2 - one with proper pale markings, in lat. thorax, reddish.

- swept off the col at waterfall = 74 sp. ♂, ant. 31

Phytodietus *segmentatus*? ♂, ant. 33

Hemiteles *clavicornis*? ♂, ant. 24

Proctos *repens* & *punctatus* 100 sp. each, not mtd.

Mesochorus sp. ♂, ant. 34

Sagittaria? sp. ♂, ant. 31, runs to *punctata* in Schmid. but?

Apanteles *pulchellus* group 3: not mtd.

Opius "*angulatus*" 2 ♂♂ (first seen 1949?) = *anthracinus* mtd.

O. angulatus 2: not mtd.

Phaenocarpa *repens* & *conspicua* 100 each, not mtd.

Cephaloscytus *cynipidis*? ♀, ant. 19.

19.6.49, cont. Attdown Barn, W., cont.

Taken at 1200 - 1300 ft. cont.

Dacnusa areolaris 8 (6♂ & 2♀): none mtd.

D. ♀, ant 32

Microctonus carinii ♀: not mtd.

Aphidius sp. 7 only, mtd. = *A.* of *var. ruficornis* or *rond.*?
length 1 very slender; ant 16.

Proctos 3: none mtd. =

Chalcids 2: none mtd.

Beetles *Rhagium bipunctatum* swept off wet ash.

2 *Meloe* sp. swept off flowers of wet ash.

Yellow *U. aff. fulvipes*: not mtd.
sp.

Taken in pool on wet lichen *Surfiana* & *Clippure*, on
Co. WI. side of boundary ditch, alt. ca. 2100 ft.

Water Beetles 6 =

Cornu sp. 3 =

20th June 1949. Cloudless, very hot & dry, gentle E. breeze.

Met F.S.A. Morgan & his wife at 10.15 of 4.45 & drove
by car to Kilgorman, Co. WI., about 7 miles S. of Mullins,
on road to look for a small, pale, semi-transparent,
juv. of the *Scaphisoma* (L. *fulvipes*) which
I had taken there about 1928-30 & of which from
there in a long series in later years & which Morgan
collected, supposed to have been taken at 'Eggs' (i.e.
Lake Rye, Co. WI., but in this specimen not
labelled till he reached the museum (ca. 1896)?
I all then labelled 'Eggs'. I am doubtful of locality
— it has been said that there were some in the 'Eggs' &
having a good collection.

Arrived at Kilgorman at 11.45. I found
many typical *fulvipes* and a few, but no
varieties; also many larvae (like some of Morgan's)
but these being only two or three. Morgan kept
my 'var' (or rather 'the larvae var.') very fresh till
a late evening race & so hope to obtain some
from the larvae. We shall see! (Water all good
except!)

Swept some insects in the dunes, just
S. of the end of lake & stream (=1) & after lunch
a few behind the dunes in damp ditch, etc., but
too hot to do much hard work.

21st June 1949, cont. Kilgorman, Co. WX, cont.
Taken at 1 = down.

Therapha hyacinthi - Hampton - 1.

Dysdercus 2 small ♂♂ =

Cryptine 3 = *Atractodes* 2 spp. 2000, ant. 24 & 25.

Henitella? sp. ♂, ant. 20.

Theridion 2 ♂♂, small, long tails. *Phaenocarpa* minutus, ant. both 12.

Exochus curvicauda? ♀, ant. 18/19.

Orthopelma n. sp.? ♀ 7 ♂♂ (same as taken on
the Island. *A. albidus*, D.C.) 1 ♂ 2 ♀♀, ant. 22 (♂), 17 & 18 (♀♀).

Gen. et sp.? very small ♀, ant. clavate, 15 seg., no arculus near! May be new.

Orthopelma or *Humboldtella*? ♂♂ in *Henitella* box no. 2, with last!

Phaenocarpa spp. 4 = *P. osculator* ♀, ant. 24.

P. of notabilis? ♂, ant. 27. *P. of frondosa* ^{very small} ♂, ant. both 34.

Leptocryptus *celthys*? 1 ♂ 2 ♀♀, ant. 27 & 23 respectively.

Meteorus rubens 2 (one small) ♂♂, ant. 26 & 27. ^{partly dark for rubens!}
^{mostly 1st seg. of ant. dark, 2nd seg. white}

Camponotus 1 small ♂, ant. 32, not banded abd., ant. 32.

Dacnusa areolaris 3 ♂♂, 1 ♀, small, not mtd.

D. areolaris 1 ♀, ant. 30.

Colletes *vicinus*? 2 ♂♂, ant. all 47.

21.6.49, cont. Kilgorman, WX, cont.

Taken at 1, cont. (Barnes).

Aphidius spp. 10, only 1 mtd. = *A. of. p. flavum* ♀, ant. 16.

Pentapleura 2 ♂♂, only 1 mtd. =

Chalcids 8, only 1 mtd. =

Taken at 2 (behind house).

Phaenocarpa elongatus ♀, flying over Alder bush, in flower
ant. 20.

Cryptine 2 ♂♂ - *Stenomacrus* sp. ♂, not mtd.

Theridion *vicinus* ♂, not mtd.

Camponotus ♂, not mtd.

Apanteles putripes group 1, not mtd.

Euphorus of *caerulescens* 1 ♀, ant. 20.

Dacnusa areolaris ♂, ant. 24. *D. (Gyrocampa)* *affinis* ♀, not mtd.

Aphidius sp. 2, not mtd.

24th June 49. Left Dublin 4.9.0 PM train for Belfast, where arrived 12.30 noon. Left Belfast 4.15 PM 3.30 PM & arrived Carrington, via Ballyclare & Larne, about 6 PM. After lunch in Belfast went to the Botanic Garden & in the rock garden there saw 1st of *Bombus pratorum* added to the Irish list a couple of years ago by R.C. Fox. For specimens taken in Antrim, Bann (1st Bann?)

Very hot, at end of very hot & dry week of weeks & no rain reported at Carrington, for at least 3 weeks.

28th June 1949. Glenties, E. Bann, very hot. Walked up on to plateau above Carrington, by Lane S. of Carrington River; but lunch on moor at ca 800 ft. then crossed over to the site of the Branny Burn, where there it meets the Pollan Burn. Here Braeger & I found *Pydra secunda* - July 1920 (See 1 Nat.). But as reported by E.A. Cameron & L.M.K. Moore found no trace of it & the place before topmast fall marked on a map on the site much changed, though *Pydra secunda* still there. Later went N. & along course also *Bombus pratorum*!

25.6.49, cont.

aptitude of Branny Burn, which of which on 1897 Ordn. Map is shown a small tarn - not visited by Braeger & me in 1920 - but found no trace of it at present day. Just N. of Branny Burn & on left bank of the tributary was a nice swamp with *Lygus lineator* (in flower), *Drosera anglica*, etc., but nearly the whole surface of the moor dry & crisp & both *Drosera* & *Lygus lineator* were growing on perfectly dry ground, which usually, in 1920, was here taken over top of bog. Much *Eupatorium* seen but no *brannery* & no *barren* larvae on any of the rare species of or a cut away by N. of Branny Burn saw colonies of what I had taken ^{only} *distata* & a swamp at Carrington saw much *Lygus lineator*. Returned by Pollan Burn & in stream saw much *Myiophila* sp. (mostly dried up) - to have taken back to Carrington past the old black quarry, now reserved towards NE end.

Did not collect insects but a few taken, including *Andrena tarsata* - a large colony on dry rough ground on the Branny Burn - & 2 of the small gnat on the moor, which came to bite & got bitten in hand. For list of insects taken see p. 279 to follow.

25th June 1949, cont.

George joined me for tea at 5 PM. Having travelled by car he came on the previous day. After tea walked N. & back up the road for 2 miles & home by coast road.

26th June 1949. Cloudless, anticyclonic, & rather very hot, with gentle E. breeze.

Spent forenoon along coast 1 1/2 miles N. of Barnborough & between coast road & sea. Moss bank above of *Oxalis purpurella* & *Androsace* & many common sedges grow amongst dunes & *Juniperus communis*. There slight & little *Scirpus* & *Phragmites* (a few small *Lychnis viscaria* (L.) Mill. (p. 279 to follow)), also investigated bank of sea wall (now very much dune) & by splitting sea water on the bank of up many *Diptera* but only 1 observed about size of *Thomomys* ^{= 2 apparently of the 1st sex} *conspicua* (2 ex).

In afternoon walked along coast to west. Glensarm for 1 1/2 miles & sat in shade of sea wall but did not collect.

In evening walked up glen to waterfall.

26-6-49, cont. Barnborough district, N.H., cont.

I did a little sweeping in shade, part of glen for 1/2 mile below fall & in damp part of floor of the old chalk quarry low down to left of inlet. Below here see p. 250 to follow.

Painted Lady Butterfly seen on coast road at 10.30 AM.

Helix intermixta (or *capitata*) abundant on spoil heap outside the old chalk quarry on evening walk.

27th June 1949. A cloudy morning with SE. breeze, but much sun in afternoon; very hot. Gentle E. breeze on coast but not on plateau. Walked up lane S. of Barnborough River as on 25th & cut over N. end of map to Barnborough. Had lunch about 2 PM by ruins of old house situated with former estate house, for some to west, then on to Barnborough, about 1/2 way the head to north by 1/2 mile E. of Barnborough. I had found *Coris megastoma* & *Lychnis* on 10.7.1920, & although marsh almost dry found plenty of *Lychnis* but failed to find any *Lychnis*. Returned along N.S. returned to Barnborough by 1/2 way & found *Lychnis* in *Scirpus* bog on the way - along S.W. 1/2 on W. of Barnborough!

27.6.49, cont. Garrow Station, A.H. cont.
along of the large (southern) lough, in a kind of "scrub" which
at the moment is almost baked dry & much trampled over &
filled by sheep, but in 1920 was about water.

Saw a small rather common bank of *Salix* by the broony burn
& water (*Myrica maritima*!) where in last lunch, also
many specimens of large Heath (*S. hibernica*) all over
the higher, wetter, part of the now better broony lough
& *Scirpus* & *Briza* lough.

On outward journey saw one seedling of *Epilobium angustifolium*
on one of the mounds S. of the broony burn close its junction
with the Pollen Burn, & by the broony just above the highest
fall saw several lovely mounds full of *Paederus fuscicornis*
brambling very abundant in the marsh E. of broony lough
with *Scirpus repens*, etc.

Caught "blossoms", a beetle (on *Salix*) & a large beetle on same
Salix, at lunch place, did not collect any insects
all day. *Lolium Dortmuni* & *Littorella* in the
small lake (southern) braggid lough.

Blossoms = *Hemiteles maculicornis* ? 297

25.6.49 =

Reservoir - *Superphus pallipes* ♀ taken near glen on
outward journey!

18th June 1949. This began with thick drizzle coming in from
sea, then cleared & became very hot & damp, but
no wind until 11 & freshened the day became real with
in late afternoon & evening. In afternoon walked through
old chalk quarry on the old road over the hills to Glen
but saw nothing of interest & evening, this dipping, very soon.
In afternoon went N. for a mile & did some sweeping, between
road & sea, especially in a patch of *Glyceria fluitans*,
where probably took *Chalcidius* & *Phaenocarpa* etc. For list
of insects taken here see p. 280 to follow.

In evening explored lane which leads up to big chalk quarry
from the W. end of High Street, Carrington, to look for a better
quicker way towards the Trench & taken W. of same,
& as this lane appears OK with dry, the quarry, saw head
of lane & at about 7.20 P.M. saw first 2 ♂ & 1 ♀ of *Phaenocarpa*
which I anticipated were *Phaenocarpa* patterns, the ♀ was
me by going through the hedge & for some reason I missed
catching the ♂ with my hand. Had no net with me!

Two Painted Lady Butterflies seen along road at the
just above chalk quarry in evening.

29th June 1949. A very hot day, after a cloudy morning,
wind E. & fresh till 12.30. We drifted south on
east - Left hotel at 10.20 (H. & George)
& took lane through shallows to E end of
Long Trunk, & went north of Long Trunk to
1/4 mile below lough & passed between Little & Big Trunks
to small lough N. of Long Trunk, passed N. shore
of this small lough across outlet & noted *Myriophyllum*
Chers, *Littorella* & *Equisetum* *terrestris*, but
before coming to the lough passed a nice marsh
N. of Little Trunk containing much *Scirpus paniculatus*
(a vegetation?), next came on Long Island &
noted *Myriophyllum*, *Littorella*, *Phragmites*, *Carex*
acutifolia, *Equisetum* *terrestris*, & *Carex flacca*,
Potamogeton & *Tupelo*. Left lough on shore of
Long Trunk (N. of lough) at 1.20 & noted *Phragmites*,
Carex acutifolia & *C. limosa*, & *Myriophyllum*, on dry
shore *Phragmites*, *Carex acutifolia* & *Scirpus paniculatus*
after lunch walked N. & around lough but just before
its first fork & looked for *Sax. Hirculus* where
found it by late S. Venn & myself on 6.7.1914 & again seen
by R.H. Meyer & self on 10.7.1920, but found the
place much changed & could not locate it.

recognize the exact spot, but searched several small
likely spots full of *Hydrocotyle* *viridiflora*? for an hour
but failed to find *S. Hirculus*, though all its
associates present. At this stage, 3 PM. Daisy &
George made for beach, via Little Trunk, while
I went S. on great boggy area & then looking
up Long River flowing S. & little W. of beach, past
marshy area on 1st Ord. bays & small lake then noted
by Black-headed Gulls, across Long River & along
its tributary which flows N. & little W. of a marsh,
to lower "flow bog" in which R.H. Meyer found
Sax. Hirculus on 5.7.1920 (which I am visiting margin
of Long Trunk!). On way from E. slope of beach
saw much nice ground, some *Scirpus paniculatus*, lots of
C. limosa & *Vacc. myrtillus*; & in marsh *Carex flacca*
fruiting abundantly, & at N. end of lake some nice
ground with *Hydrocotyle*, *Galium uliginosum*, etc.
In Meyer's marsh, now very dry & nearly covered, saw
everything possible except *Sax. Hirculus*, but in the
area is very large & I am very hot & getting tired
I could not possibly say it is not still there &
must try again with microscope next week.

29.6.1949, cont

During day I reckon I covered at least eleven miles not counting detours & climbs.

Did not collect any insects, but saw many
Large Heath, one Painted Lady, about five or six
Wood Tiger moths, very many of the large green-eyed
bluffs or small gad fly, the large dragon flies at
Lung Kasekaban (1 species) & one by Brass, when on
return journey which I think was Arctostaphylos

See my longfield letter
of 24.1.50! P.W.S.

15th July 1949. A perfect day, mainly sunny & very hot, but with fresh easterly breeze all day. Spent the day around the Trunks & Lake N. of same.

Left hotel about 10.20 & walked up lane N. of kitchen, past chalk quarry & over hill to marsh S. of gap between Big & Little Trunk, then along S. scarp of Little Trunk & then W. scarp of same where found evidence of Raven's nest & on dry gully in rock with quantity of *Ulex europaeus* ^{V. L. H.} *Ulex*, *Chamaecrista* & *Georgina* covered summit & on the *Lycopodium obscurum* & one plant of *Antennaria dioica*; then went on to Long Point & had lunch & noted the following plants there: *Littorella*, *Myiophyllum*, *Carex ampullacea*, *C. filiformis* on NW shore growing between low & high water beds & with 3 flower spikes, *Cladonia* sp., *Scirpus lacustris*, *Sparganium angustifolium*, & *Potamogeton* sp.

next went W. to small lough in rock hollow & on *Carex paniculata* at SE. inlet on ramp, lots of *Littorella*, *Erigeron annuus*, ^{Red & *Littorella*} *Sagittaria arifolia*, & great beds of *Carex ampullacea* & *Sagittaria* amongst which swept some hymenoptera for

17.49, cont. The Trunks, L. Fine, S. P. A.H., cont. dist. of which see p. 268

next returned to outlet of L. Fine & passed on to small lough between this & Big Trunk, ^{all by *Ulex*, *C. amp.*, *Scirpus lacustris*, *Sparganium*, *Potamogeton*} *Scirpus* *lacustris*, *Sparganium*, *Potamogeton* of which is a large belt of sedge containing *Carex ampullacea*, & a belt of *C. paniculata* amongst *Phragmites* ^{but} *Phragmites* ^{but} one to two yards from present edge of water. next saw a nice swamp above this lough at W. foot of Big Trunk & here once more saw *Carex paniculata* in patches, next crossed Big Trunk to uppermost swamp above outlet of Long Lough & walked along this to north end, seeing *Salix repens* & in wood, *Solidago*, *Hieracium*, & a nice patch of *Hieracium* "lanceolate type", but too high up to find for *Boerhaavia* 1920 station for *Cryptogramma crispa*; next went round north pier of Big Trunk & at W. end of the northern scarp refound the plant of *Cryptogramma crispa* seen on 16.7.1920. In going from waterlilies Long Point to small lake E. of same made a detour along scarp to N. & then down lough & refound the *Bombus* seen in 1920 filling a one foot long crack in rock facing N. Ended day by crossing inlet of Long Lough, where *Minutus laevis* now in large colonies

17.49, cont. The Truck, 2 Fire, 01, cont.
I came back to Barabour, 2 1/2 miles which comes down
to the old road near the little church 1 1/2 miles N. of
the village. Back at hotel at 5.35 exactly.

On bank of Salix repens at NW corner of big tract
caught a or Bombus subterraneus with my hand.

Two Painted Lady Butterflies were very out in
morning, one near lower corner of old quarry - exactly
same spot as the two seen on evening of 17th June, 1948, on S face of Little Truck at ca 400 ft alt.

2nd July 1949. Another perfect day but wind no, South &
much softer, though now cloudy & therefore not so
hot except in sun & shelter.

In forenoon did nothing but with 1 1/2 miles N. along coast
& back. In afternoon spent two hours in Barabour
Glen, below the waterfall, looking for plants & especially
for Adams' missing Andrena glaberrima. Found the
glan field of Sweet Cicely (Myrrhis odorata), as well
as the Urtica urens mentioned in 1930, also Salix
repens, Holly, but no oak, worked up bed of stream

2.7.49, cont. Barabour Glen, NW, cont.
now almost dry & actually runs to the west under (staff
slough) on the right bank of the river just below the falls, or
a couple hundred ft about 50-70 yards to the river
on the north country of Festuca rubra (visited by Rogers
in 1930) & had a short grass up to top of the hill, where
I found a single flower stem of it protruding from bushes
& the plants on a sloping part of the right bank about 10-12
ft above river level, this flower spike I took but left the
plant, of course, nearly overgrown grass with the 2000
large leaves & no flower spikes, but this appeared to me
to be not probably Festuca rubra rather than the
Barley. Some kind of Sonchus (Sonchus oleraceus)
just below falls on right bank. Also about the same place
& Hepatica seemed very numerous. The S. end of river
on my past sketch quarry at 2 PM was one Painted Lady
Butterfly, i.e. about 1/4 mile S of the river in morning of 17th
to the Glen took 1/2 mile S of Lythrum coronilla (1930) and

2nd July 1949 Sunday Spent day in plateau above.
 Left hotel about 10.30 A.M. & walked up the steep slope
 to the plateau, then turned up the Pollen Burn & then
 about 1/2 mile below last had some more plants of
 Black Fern and shall about 2 feet above the bank on
 left bank of river, in rock crevices, below the bank on
 rising, the spot is a few hundred yards below 1 SW of
 a ruined house on the turf track leading W from Gortin across
 the Pollen Burn, the fern is sheltered by a large bush of hawthorn,
 partly dead, & near a large old oak tree & containing
 the Pollen Burn. ^{see photo by E.N. 8.10.1951.} I was very excited *Hieracium* in rock on slope
 & I was & captured a few of *Bombus*
pictus at flowering of *Erigeron annuus*, I then
 left the Pollen Burn & struck up to camp, crossing
 westward of it to place some bush of *Salix repens* on
 the river joining a 25th feet & the road along
 S face of camp for perhaps 1/2 mile; just S of
 the above *Salix* bush & growing in a crack on the upper
 flat surface of a large fallen block of basalt was
 a plant of *Antennaria dioica*. I then as I turned
 along the S face of camp I came on Black Fern
 in quantity & in some cases very luxuriant, but
 beyond that & some *Rosa spinosissima* saw nothing
 of interest. Next struck N. then W. across

by towards the River Burn, crossing Gortin, & Green Mountain
 on the way. Had lunch by Green Mountain just below the last
 fork & then once more searched for & failed to find any
 trace of *Saxifraga hirculus* when surrounded by *Thalictrum*
 on 6.7.1944. Next went NE across W. bank of River & on to some
 lovely ground with *Pinguicula lusitanica*, *Carex lasiocarpa* & *C. panicea*
 in quantity, which ground seemed perfect for *S. hirculus* but
 no trace of it could be found, continued E. to along N. slope
 of bog & at foot of hill forming N. extension of Gortin & hillside
 of the Black Burn, passing many nice sedge filled hollows, with
Carex lasiocarpa, *C. panicea*, *C. lasiocarpa*, *C. lasiocarpa*, in
 one of which I think that flowering into *Lophoceros* - *C. lasiocarpa* was
 flowering abundantly. Next passing W. of long low hill & came
 down to just outlet of the & through black bog & fine clump
 of *Salix repens* in fruit on way above the hill back
 & so home by track to Gortin & down to Carranagh at 5.30 P.M.
 exactly. On return I saw many new plants but nothing
 at about 400 feet by track E of Pollen Burn, & near house I
 came saw some Sweet Birch, which may be the origin of that
 plant in Carranagh Glen below the fall. Saw "blackwood", I saw
 on wet place on left bank of Pollen Burn shortly after I turned
 up it at noon.

6.7.49, cont

Lower Basin & once more searched for & failed to find a trace of Sax. *Hirsutum*, but all things of no found for the specimens of *Polium*. Retained some across N. edge of bog E. of source of Lower River, seeing *Barium purpureum* & *E. filiforme*, & came past L. Fin. & the lakes E. & W. of this & along scarp N. of a bottom little & Big Trunk seeing the Birch Farm in creek of rock & the Parley Farm on west at W. end of N. scarp of Big Trunk, then down to Longfellow & so home via quarry road & lane. Saw Painted Lady on road over quarry at usual place. [George & Daisy saw a *Heterocentrus* on the way - here E. Longfellow!]

7th July 1949. A fine day, all morning but for very small isolated clouds, & with strong wind N. N.W. breeze. Left hotel at 10.30 & walked up to foot of Cumborough Glen, then crossed to S bank & up along course of river to near seeing the *Lychnis viscaria* & close to it to very spotted & fine patch of *Thalictrum*, *anagallis*, *anemone*, *anemone* & out on scarp N. of river & joined the Yellow River & at N. side meeting Greeny River & walked up it to the Oak Farm where George took a couple of photographs

of the site for future reference, then on up stream to top water fall, just above which I discovered *Thalictrum* *officinale* growing on left bank of river, amongst galls & other vegetation just as it left the river in Scotland, on close investigation the *Thalictrum* proved abundant over many parts of the drier ground & extended several yards away from the bank of the river & looking very happy & flourishing in spite of the dense vegetation which, as I said, is thick, compressed.

Later again near *Thalictrum* *officinale* on left bank of the Yellow River in several places including on side N. of where it is joined by the outlet from Longfellow Pond. After lunch went on up gorge, which I found a most pleasant place for glacial lakes impounded in basin of the Yellow River above Downhouse, to Longfellow Pond, then out to N. end of Longfellow Pond & N. to Longfellow where much a few years ago had found *Potamogeton pectinatus*, which is now abundant & in flower in the deeper part of

22 Aug. cont.

The bog, with *Epinephelus* *lucius* round the edge, & a
odd specimen of *Bot. natans*, taken out N. to Longham
cally via the great cut bog which from the upper bank
of the Black Burn - a very cut area full of *Carex flacca*
& *C. tenax*, *Bromus asper*, *Trisetum latifolium*, & *P.*
which would be impossible in a cut meadow & in which
one could expect *Das. Hirculus* to occur.

The phacelia contains much *Bot. natans*, &
there is some *Carex flacca* at the outlet, where
had left the. Later came back to a small lake
S.E. of Longham Fine - bog N. of which there is *Carex*
flacca & *flacca* round N. shoulder of Big Track
once more seeing the Black & Bunting forms, & so
have down lane to road 1/2 mile N. of Bunting.
Saw first specimen (3) of *manus* found by the Small
Tudorville Butterfly; one of *Bois* from *trifolium* at
head of Bunting glen; & one *Pinus* body at head
of lane on return from Track.

8th July 1949. Left Bunting by 10.10 bus to Lanes,
Bunting to Bunting. Had lunch at J. H. R.
with J. H. R. noon & subsequently called up to Bunting
Garden to meet R. H. R. & spent 3 hours
there & saw *Bombus lucorum* 24 on *Trifolium*
of *reticulatus* *flacca* & several other things around.
Left for Bunting by 4.45 bus & arrived home
at 7.20 P.M.

Insects taken on 25.8.1949, sup. 258 ants

Urosalpinx 1 male & 1 female, *Ph. longipennis* 1 male

Aspilota 2 small *Aspilota* = *Tetraneura longipennis* 3 284

Insects swept on road at 1, 25.8.1949, sup. 258 ants

Dryinid ♂ not mtd.

Hemiteles & *Phygadeuon* ♂♂ none mtd.

Aspilota *lucorum* 2 ♂♂ } *Aspilota* ♂ not mtd.
- none mtd.

Opis *caesia* ♀, ant. 23.

Opis *flavicornis* ♀, ant. 21

Microgaster *globatus* ♂, *Microgaster* *micropterus* ♂, ant. 20.

Opis *flavicornis* ♂ & ♀, ant. 19 & 20.

Aspilota *affinis* ♂, ant. 20. [Alysiid ♂, ant. 20. & 26.]

♀, *Aspilota* *flavicornis* ♂, ant. 20.

Bombus *caesia* group, none mtd. *P. (G.)* *lucorum* 2 ♂♂, ant. both 26.

Ephegaster *volans* ♂, ant. 20. *Ephegaster* *volans* ♂, ant. 20.

Praon none mtd.

This *Alysiid* ♂ was
taken on 26th June.
See p. 280.

Insects swept in brushy place, below waterfalls, to NW,
on edge of 26th June 1949. = 17226 & 27. See pp. 260-261.

Triphle *trichodonta* *causata*?
P. *Hypocnemis quadricaudata* ♂, ant. 29. *Atractodes* *flavus* 1 not mtd.
Phaenocarpa = *Aetherea* of *discolor* *Camptopogon*?
Brachymeria *apanteles* *emarginatus* N. F. *Euclyptus* *ochropus* ♀, ant. 34.
Opius *ilicis* ♂, ant. 28. *Centistes* *parvulus* ♂, dark legs, ant. 19.
Chorebus *vestitus* group *novus* ♂. *D. bellina* ♀, ant. 25.
Ephialtes *guganus* ♀, ant. 19. *Cephalotes* cf. *funerarius* ♀, ant. 17.
Proctos 1 *obolus* only, mtd. = *taeniorhynchus* ♂, ant. 22. *Cynipids* not mtd.

27th June 1949. Two bottles, *Helodius marginatus* & *Meloboris marginatus* (p. 251)
taken by the Gray River, near the road with railway, lower at 1100 ft.

Insects swept between road & river, about mile N of Cambridge, to NW,
on 26th June 1949. See p. 263 notes.

Centistes cf. *Hamulus* 200. *Chalcids* 100 of
Camptopogon ♂ *Camptopogon* ♂ *Camptopogon* ♂ None of above mounted!
Apanteles (not mtd) ♀. *Opius* *funerarius* ♀, ant. 20.
Chorebus *vestitus* group = *novus* ♂. *Alysia* *tipulae* ♀ with
D. apterata ♂, ant. 26. *D. stridula* ♀, ant. 29. *Facet* *remota* in both *Franklinia*
D. didas ♂, ant. 32. *ant. 26*
D. (S.) uliginosa 2 ♂♂, 1 ♀, ant. 27, 28 & 24.
Chorebus *vestitus* group 5 ♂♂, swept at *Franklinia* 1 mtd, ant. 23.
Ephialtes *guganus* ♂, ant. 19. *Ephialtes* ♂♂ about 12, none mtd.
= *A. renomuratus* small ♀, ant. 14. *A. avenae* Hal. ♀, ant. 17.

Chalcids, *Proctos*. *Cynipids* in air. None mtd.

Insects swept in brushy place, below waterfalls, to NW,
(See p. 262 notes) on June 20-21 1949.

Triphle ♂ =
Centistes *apanteles* ♂, ant. 24.
Ephialtes ♂ about 12, none mtd.
Hamulus *marginatus* 1. mtd. *Camptopogon* *renomuratus* but only 1 (*Meloboris* ♀) mtd.
= *Meloboris* ♂. mtd. ♀, ant. 34, red coxae.
Brachymeria *fulvipes* ♂, ant. 26. *Sigalphus* *pallipes* ♂ & ♀, ant. 20.
Meteorus *microstigmus* ♂, ant. 27. *Opius* *funerarius* ♂, ant. 20, and both 19.
Ephialtes *guganus* 1 ♀ swept setting, none mtd. 11. 4. 19. ant. 19.
Chorebus *vestitus* group: none mtd.
D. (S.) uliginosa ♂ & ♀, ant. 22. only ♀ *affinis* mtd, ant. 22.
Chorebus *vestitus* group 1 ♂, 2 ♀♀, swept at *Franklinia* 1 ♀ mtd, ant. 20.
Ephialtes *guganus* ♂, ant. 11. *Ephialtes* ♂♂ about 12, none mtd.

Proctos *Chalcids* & *Cynipids*: 1 minute *veiniger*, *Proctos* only mtd =
Beetles 2 =

Taken on hotel windows in evening, Cambridge, AN, 30. 6. 49.

Hamulus of *gracilis* group, ant. 20. (See p. 267, note 2)
Sigalphus *pallipes* ♀
Ephialtes *guganus* ♀, ant. 18.

1.7.1949, cont. from p. 269!

Insects swept by small lake W. of Long Fine, Garrison Plateau,

Co. Antrim

Labelled

W. of 2 miles
to NW of AWS.
1.7.49.

Anthomyia pallidicornis ♂, var. abdomen red + black.
Stygia ♂, like but not, *Oenothera* nigritis, sub. 28

Hemiteles ♂, ant. 23. H. sp. small ♂, ant. 20.

Banchus ♂, ant. 53. See note on p. 270 antea.

Homocidus ♂, ant. 22.

Bracon fulvipes, large ♂, ant. 39; hind coxae testaceous!

Dacnusa (♂) ♂, ant. 20.

Sawflies 2 - *Salix* ♂, ant. 22. *Pachyneurina* cf. *kirbyi* (ed. 1949) 4

Chalcid 1 =

Cynipid, 1, curious species, =

Beetle 3 = Water Beetle 2. *Donacia*

Caddisfly = *Sericostoma personatum* fide J. R. Harris.

10-7-49, cont. - Camp Nabunyan, W.I., cont.

Phaenocarpa ♂ - *Dicaelotus cf. rufoniger*, ♂, ant. 26.

Hemiteles cf. varicornis ♂, ant. 22.

Atractodes sp. ♂, not mtd.

Triclistus depressor ♂, ant. 32.

Plectiscus ♀, ant. 19 =

Sampling 1 = *Pachyneuratus vagus* ♀

[*Callis* like *G. ruber*]

Proctos common & very abundant in forest S of lake. mtd.

only one mtd. = *Sacilionid*:

Chalcids about a dozen in mtd. 3 only mtd.

Beetles *Meloidae*

1 other =

10/7/49. On this day R. L. Fair captured a ♀ *Puffa ruficornis*, ant. 21,
at a "Poa fall" or *Salix caprea*, at Gansu, Co. Caran.

It is small & differs from *P. burmanica* in its uniform red
hind tibiae.

19th July, 1949 (Tuesday) after a cold & wet night following a drought & very hot weather. A fine day, it rained in the

evening. The flowers were in full bloom at midday, 19th, walked up to head of open stream, then up to the boggy bank below the waterfall. Here the stream runs very fast, very good view over the plain, with some hills in distance & a few hills at back of the boggy bank. There were some rice patches of *Galium elegans*. Had lunch (P.M.) just above S. of fall & later walked up stream & followed a bog of brown & hepatic for some distance. Saw *Galium elegans* as it bank for at least 50 feet above the fall. Next according to barometer height for the head of fall of 1100 ft., made its altitude up to 1150 ft. Also saw *Equisetum arvense* at the height & *E. sylvestre* a little lower down. Much *Salix caprea* & some *Salix* just above fall, say 1125 ft., & swept them for the minute. Hymenoptera very rare & all these birds below swept at the place, just above the fall. There was a stream & crossing the foot of red hill, clay bank 20 ft. up to summit of boggy, very much *Galium* on the bog, but all the ground has been burnt during recent years, though with the grass that grows and between boggy & *Salix* was a wooded hill on summit of red hill. Fresh water like track. Arrived at the 4.00 pm.

19.7.49, cont. Boring Brook, Boring, Surrey, Co. DU.
 at end of a morning spell I found numbers swarmed
 by the brook, but on going in a cold wind blowing, before
 a shower all had disappeared but one by the time I got out of
 net. The one captured was a ♂ *V. ruficornis* & full size.
 all the others were this species also, mostly ♂♂, but I certainly
 found one ♀. Although *Sorex araneus* & other insects are well
 known to our mountain tops as a place of assembly I had
 never before seen any species of wasp doing so, though I have
 before now found the remains of a species in the
 under stones of the very same in a resort of *Sorex*, 2131 ft alt.
 Had tea by the stream & enjoyed wonderful view from the
 bonnet of a motorcar, *Stenocranus* was abundant, & *S. schrenkii*
 also beyond & S. of *Sten. schrenkii*, various "blossoms" on the central
 plain N. to there near Knockdown, Co. Westmeath, N. of the observed
 by shower, but *Sten. pallens* & the *Sten. schrenkii* & *Sten. schrenkii*
 clear at times; in the foreground the whole of *B. schrenkii* & *Sten. schrenkii*
 etc. & to the east across the channel *Sten. schrenkii* & various
 hills in the *Sten. schrenkii* coast. Came back to *Sten. schrenkii*
 to see by the old track to *Sten. schrenkii*, by which the motor cyclist
 evidently had reached the summit. A few *Sten. schrenkii* seen
 only at close quarters & most were *Sten. schrenkii*; one however was
 a fresh ♀ of *Sten. schrenkii* & seen close the fall.

19.7.49, cont. Boring Brook, Co. DU., alt. 1125 ft.
 much swept off *Sten. schrenkii* (mostly) & a few *Sten. schrenkii*, which
 I found about 30 yards above fall where the road runs
 by the Boring Brook. 12 seen - just after night down. *Sten. schrenkii*
 captured ♀ =
Sten. schrenkii *Sten. schrenkii* ♂ & ♀ - the same as seen
Sten. schrenkii *Sten. schrenkii* ♂ & ♀ = 1 ♀
Amblypterus cf. *longipennis* ♂, ant. 43. found large but a yellow ♂ of *Sten. schrenkii*.
Sten. schrenkii cf. *subquadratus*, ♂ ant. 27.
Platylabus vibratorius Thunb. ♀, ant. 36.
Phaenocarpa ♂, ant. 27 = *Sten. schrenkii*?
Cryptophaga 1 ♂, 2 ♀♀ = *Sten. schrenkii* ♂, ant. 16. ♀
Hemiteles ♂, ant. 21.
H. sp. ♀, ant. 23.
Leucospiza pallens 1 ♀, a highly coloured ♂, ant. 43.
L. errabunda 1 ♀.
Perilissus filicornis 1 small ♂, ant. 43.
Mesochorus sp. *M. ruficornis*, 3: 1 ant. 27, ♀.
Stenocranus ruficornis ♂♂ & ♀♀, ant. 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
Campoplegid 5: 3 ant. =
Sagittaria erythropus ♂, ant. 33.
Gymnocranius antennator ♀, ant. 33.
Notonotus sp. ♂, ant. 38.

19.7.49, cont. Leaving Bush, 1125 ft., DU, cont.

Apanteles cf. *fulvipes* 3♂♂: 1 mtd.

Microplitis *capta* - small form, 10, ♀♀ abundant. { 10, 1♀ mtd. ant. both 22. }

Exochus *vestitus* group - about a dozen: none mtd.

Aphidius *avenae* ?? 1♀, ant. 17, small & dark, but ? this species.

Proctos. 7: one mtd. =

Chalcids 17 } not mtd.

Ichneumonids 2 }

21st July 49. 14 Clonsilla Road, Dublin.

Look in back garden a ♀ *Chalcid* *seclusa*, ant 27;

& in house a ♀ *Phygadeuonid*, with red abd. & white apical segments, ant. 24 =

26th July 1949. A perfect day, very warm with sun & clouds.

Joined excursion with *Wentworth*, *Geologists* & *Botanists* run by J. F. Mitchell

& went by bus. to *Bellinagh*, Co. Louth to see raised beach, & along

coast of *Dundalk Bay*. Intended to ascend to summit of *Devil's Bit* which

risks on highest of the raised beach, but much doubt the

supposed *Devil's Bit* date of the bed of *glacial* & other marine

shells - even if it is a misnomer. Then drove to great

raised bog just inside Co. Louth & just E. of *Enniscorthy*

26.7.1949, cont. Bog E. of *Enniscorthy*, but in Co. Louth.

in Co. Monaghan - 2.0 P.M. - where swept a few insects off & around

bird on east-facing part of bog S. of the road. Back on through

Leixlip across to *Kesh* across *gymnasium* to see the

late glacial & post-glacial beds exposed there (see my note

under date of 1.7.1949!) & then back to *Dublin* about 7.0 P.M.

via *Leixlip*, *Clonsilla* & *Donaghadee*.

Beetles swept off & around bird on east-facing bog

just E. of *Enniscorthy*, but in Co. Lth.

Campoplex 2 =

Apanteles ♀

A. ♀.

Proctos. *nigripennis* (2?) swept off bird, S. of road.

Plenty of *Osmia* *neglecta* seen in bog holes & elsewhere reported

Phaenocarpa *alba* further to east.

Pezomachus ♀ ant. 22. bred from a spider's egg - bag by
F. E. H. Baynes. Probably from *Gloucester*; Co. Dublin.
July 1949.

3rd Aug 1949. A nice day, cool, strong W. wind, after a hot few days & drop in temperature from previous week; but no sun & no rain. Spent collecting in afternoon.

Left home in car about 2.30 & drove to look at Royal Canal beyond Louisa Bridge, Co. KD. Left car & walked back to third field (between canal & Maynooth road) W. of Louisa Bridge - this year in 1st year hay, but full of wild carrot & other weeds, owing to drought. This day, in evening, but ten minutes later & slight shower with it & 15 later still & heavy shower made sweeping almost impossible; so came back to 2nd field W. of Louisa Bridge in which potatoes & leeks & tried to sweep, but too wet & rainy, little out after shower.

Collected in two areas: —

- 1 = W. side of 3rd field W. of Louisa Bridge, along holly
2 = S. side (west canal) of 2nd field - wheat & weeds.

Along canal & road & further saw quite a few beetles:
♂♂ of *Exochus sylvestris*, also *A. lapidarius* ♂♂ & ♀♀
B. lucorum ♂♂, *B. agrorum* ♂♂, *B. ruficornis* (1 ♂)
Pentapleura confusa & *barbaticollis* 1 ♂ each
Helicoverpa celerata ♂♂ swept
Andrena minutula fresh ♀ of 2 = vivid.
Dysdercus ♂ =

3.8.49, cont. Royal Canal, KD. cont.
Taken at 1, cont. [from 1 collected 20.10.1948.]

Scarabea: *Tenthredinidae perkinsi* frequent
Pentapleura celerata ♂.
Fuller's *calceolaria* ♀

Cryptinae 16: 9 mtd. = *Pezomachus* ♂, ♀, red, ant. 22.

Phygadeuonid ♂, ant. 25. ♂, ant. 24. ♀, ant. 18. ♀, ant. 18.

♂ & ♀, ant. 21 & 20 =

Euclyptus long. (2 ♂), ant. 26 =

Cryptus ♂, ant. 20 =

Pezomachus *brunneus* group: ♂, not mtd. 1 ♂, not mtd.

Glyptus ♂, ♂, 2 mtd. *longicornis* ♂, ♂, 1 ♂, not mtd.

Homocidus *obscurus* ♂, including 1 ♂ with 21 ant. mtd. & 1 ♂, not mtd. (only the 2 mtd. ant. 20).

H. pallidus ♂, not mtd.

Promethes *cognatus* ♂, ♂, 2 ♂, ant. 24 & 24.

Promethes *cognatus* ♂, not mtd.

Polyblastus ♂ & ♂: red species, red femora, ant. 27 =

Camptoplyctus ♂: none mtd.

Triclistus *signatus* Holmgr. ♂, ant. 26. Not on Britten's list!

Pezomachus *angustatus*? ♂, small, ant. only 26.

Aspilota *argenteipes* ♂, ♂, ant. 21+.

Sigalphus *luteicornis* ♂ (♂ & ♀): not mtd.

Pentapleura *brunneus* ♂, ♂, ant. 21+.
- See note under
30.7.1951

3.8.49, cont. Royal Canal, S.D., cont.

Taken at 1, cont.

Apanteles of *ruficornis* Hal. ? ♀, but not same sp. as ♂ ♀ so named in coll. 4.2.5.
Microgaster *ictus*, ant. 32, ♀. *Apanteles* *lividus* ♀.

Perilitus *mutator* 2 very small, ♀ ♀, ant. 23 & 24.

Blacus sp. *fulvus* - a ♀, ant. 17.

Opius *levis* (♂ ?), ant. 23.

D. comatus, var. ♀, sampled by some beetle of ♂. (ant. 24: tergite 2) (microsculptured at base)

Allura *contracta* ♀.

Aspilota spp. 7, including *A. dealbipes* ♀, ant. 20. *A. fuscescens* ♀, ant. 18.

A. cf. cordipes ♀, ant. 19. *A. nigrescens* ? ♀, ant. 31, rather very propodeum.

A. ruficornis ♀, ant. 19. *A. sp. near contracta* ♀, ant. 19. *A. rubripes* ♀, ant. 7.

Dacnusa areolaris group 5, including *D. maculipes*.

D. elegantula ♀, ant. 24+.

D. senilis, very small ♀, ant. 27.

Chorebus *scirpus* ♂, ant. better off

Aphidius *plumicornis* ♀, ant. 18. *A. rapidi* ♂, ant. 16.

Proctos 9: 2 spp. = *Gasterus* ♀

Chalcids abundant: none id.

Trypidae 1, not id.

3.8.49, cont.

R. Canal, S.D., cont.

Taken at 2.

Crucian *libialis* ♀, ant. 26. *Orthocentrus* *scutellatus* ♀, not id.

Proctos *fulvipes* ♀, not id. *Microgaster* *ictus* ♀, not id.

Stenomacrus sp. ♂, ant. 23.

Campoplegid 5: 1 only id. = *Heterospilus* ? ♀, ant. 28.

Crucian *libialis* ♀, ant. 26.

Theridion 2 sp. ? 107, 299, ant. 21(23), 17(255).

Proctos *commisus* ♂, ♀. *Aspilota* *fulvipes* group 1.

Dacnusa *areolaris* group 5, mostly 44, very small ♀.

One *Sphex* & other wasps, in trap, but none id. 299, ant. 20-21.

Opius sp. *levis* small ♂, ant. 23. *Aspilota* sp. *fulvipes* group 1, very small, ant. 18.

Dacnusa areolaris group 2 ♀ ♀: not id.

Proctos (of *sticticus*)

Proctos 1

Chalcids 1

Gasterus 2, overflown =

Beetle *Chrysomelids* *polygona* ?

5th Aug, 1949. Saw a fine pair of *Psithyrus* *barbatellus* on flower of Lavender in back garden, 14 Clarendon Rd. the afternoon.

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15th August 1949. After a fine night, with light rain, & a hot office report of approaching rain, & promise of a most day - fine weather set off in car (Driving Miss Hilda Parker, & I) for Kings River & Thonolagee, Co. WI. at 9.30 P.M., although weather by this time not looking too good. Ran into misty rain at Breckin, & observed wind gone from NW. to S; rain then carried on. Left car about mile W. of Wicklow Gap at ca. 1300 ft. & walked along W. flank of Thonolagee in misty rain & cloud, on to east W. of cliffs above Lough Oulagh, where on bare stony ground was much *Lycopodium complanatum*, including very young plants of it. Dropped down to lake shore, having seen 2 Ring Pheasants (1 adult male) & three female Red Deer (one with fawn) in the corrie. Had lunch at foot of big gully, & later worked scarps S.E. of Lough & saw two or three poor patches of *Saxum alpinum*, very much *Alchemilla alpina*, one scrap of *Vaccinium vitis-idaea*. Still misty rain though looked like clearing every now & then & sun visible several times, but in afternoon went on any hope of clearing vanished & we climbed to highest ridge S. of Lough & made for the car in

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10.8.49, cont. Thonolagee, Co. WI., cont. increasing rain. Reached car, very wet, & drove to nearest shelter of trees down the Kings River valley & there stopped & had tea in car. Left there at 6 P.M. & home about 7 P.M. The following day (16th) was almost perfect summer day, though rain continued & very heavy all evening of 16th & during night of 16th & 17th. Saw one ♀ *Bombus terrestris* at Ballinacorney cliffs just above Lough Oulagh, during brief spell of sun about 1.30 P.M. No other hymenoptera seen & no possibility of sweeping in marsh S. of the lake, which was the object of my visit — to look for *Hemiteles gracilicornis*.

16th Aug. 1949. A most perfect day! Saw Red Admiral in front garden, in back garden, both in forenoon & afternoon & a Humming Bird Hawk moth at flower of lavender in Back Garden in afternoon.

12th Aug 1949. Another perfect day after a rather
misty forenoon. In afternoon drove to Glenasmole,
left car at middle bridge & walked up to the
bog W. of Slade Brook channel above the head of the
upper reservoir. There was many plants of the
Bog Orchid (*Malaxis palustris*) growing with
Dorcas rotundifolia & *Pinguicula lusitanica* (in flower)
in its well-known habitat.

Returned & on way back to car collected by sweeping
in the Pares: —

1 = Swampy stream E. of the Slade Brook channel
& 100 yards above the bridge over road above head
of upper reservoir.

2 = On flat at head of upper reservoir (near
about 5 ft. below water level) & around edge
of lagoon at same place. NB Water level had
recently been up about 3-4 ft., no doubt after heavy
rain on 7th & 10th Aug, & so sweeping here
was very disappointing.

Myrmica scabrinodis flight 1 ♂, ♀ & ♀ mtd.
Dragonfly *Orthetum cancellatum* very common
at the bog. Some *Malaxis* seen & one
Asclepias tuberosa seen also.

12.8.49, cont. Glenasmole, DU., cont.
Insects taken at 1

Cryptine 5. 4 mtd = *Hemiteles* sp. ♂, ant. 20. H. sp. ♂, ant. 20.
Hemiteles sp. ♂, ant. 22. *Phygadeuon* sp. ♀, ant. 19.
Pimpla dorsalis 1 ♂, 3 ♀♀; *P. rubicincta* 2 ♂♂, 1 ♂, mtd but some
P. sp. small, dark, ♀, ant. 22. *Proctos* 2 ♂♂, 2 ♀♀, not mtd.
Meloboris? 1 ♂, with no areolet = *Zepora dorsalis* ♂, ant. 27.
& one other *Campoplegid* ♀ & *Angitia europhega* ♀, ant. 26.

Bracon sp. 2 ♂♂, 2 ♀♀, 1 ♂, 2 ♀♀ = *fundator*, ant. 30(♂), 24-26(♀♀)
B. sp. ♂ small, tarsal, ♂, ant. 27; near *Sp. No. 20*.

Sigalphus caudatus ♀: not mtd.
Adelius dorsalis 2 ♂♂, 1 ♂, ant. 28 & 26. ♂, dark areolet, off lateralis, probably.
Dacnusa areolaris group 5: none mtd.

D. sternalis small ♀, ant. 24.
D. (Gyrocampa) nigricapitata 2 (♂ & ♀), ant. 26. *D. laevigata* 2 ♂♂, not mtd.

D. (G.) globiuscula large ♂, transverse head, almost interstitial venation, ant. 22.
Aphidius pascuorum (group *stigma*) ♀, ant. 17.
Proctos 2: mtd. (1960.)

Chalcids 4: none mtd. *D. (G.) uliginosa*? small ♂ with
cuticular head with spotted
venation, ant. 26.

12.8.49, cont.

Glenasmole, Co. Du., cont.

Taken at 2.

Vespa rufa ♂ on *Angelica* flower*Cryptinids* 7: only 1 old = *Pezomachus*? sp. ♂, ant. 24.*Promethes dorsalis* 2 ♂♂, ant. 22. *P. cf. laticarpus*? ♀, ant. 22.*Hemiteles nigritarsis* ♀, ant. 22. *Zestrophus ruficornis* 2 ♂♂, ant. 22.*Bracon fulvipes* ♀: not etc.*B. cf. rosaceus* ♂, ant. 29: a small dorsal spine?*Diapriid* *sternum* ♂, ant. 24.8, small, pale legs. (from small only, ant. 23)*Spine* of *communis* ♀, ant. 23.*Proctos* *variegata* 2 ♂♂, ant. 37, 39 & 43.*Aspilota cf. ruficornis* ♀, ant. 17.*Dacnusa areolaris* group 5. *D. elegantula* ♀*D. miscella* ♀, very nice; ant. 23.*D. (G.) affinis* ♂, ant. 24.*Proctos* 3: none etc.*Mymarid* 1 =*Chalcids* 6: none etc.

12.8. August 1949 (Sunday), a very warm day, nearly all sunny & sun very hot, air very soft; with westerly breeze & some light mist clouds - sun ☽ to northward. Left home in car at 10.30 AM & drove to Grand Canal, near Sandycroft, Co. KD arriving at 11.30 AM & leaving at 5.0 PM.

Collected in four areas (1-4) as follows, but small hymenoptera, especially *Cerceris*, very rare in places, such as station 3, where usually abundant at this season - as doubt owing to dry weather.

1 = plantation S. of road & canal, 1/4 mile E. of L. Howe.

2 = ^{the} fields of barley & oats + weeds, S. of plantation.

3 = marshy spots in grazing fields W. of 1 & 2.

4 = edge of canal, & drain between canal & road opposite & N. of plantation (=1).

Aspilota taken or seen at 1 & 2 & various insects for killing bottle of doubtful origin.

Tryphon 2 ♂♂, ant. 22.*Schneuwia latitator* ♀, ant. 29. *Cryptopimpla erichsoni* ♂, ant. 42.*Phaenocarpa communis* (to *rigida* group) ♂, ant. 22.*Stenomacrus*, small, black head & thorax = *canis*, ant. 30 =*Alexia* *fabula* ♂, ant. 47. *Meloboris* of *psilodicta* ♀, ant. 36.*Parralusia monilicornis* 2 ♀♀. *Cerobroptemys* ♂.*Pemphredon shuckardi* 2 ♀♀.

4 & 49. cont. Landerstown, K.D., cont.
Taken at 1.

Phaenocarpa "fulvipes" ♀: not mtd.

Cryptinids 4: 1 mtd. = *Pezomachus*? sp. ♂ mtd.

Pimpla pomorum ♀, on needs! ant. 19.

Bassus trinitatus 1 not mtd.

Proctos *agrestis* ♀, ant. 23.

Zantrophus ruficornis ♂

Homocidus stansipes ♂ *H. ligulatus* ♀, ant. 24.

Oeniscid 1, ant. 28 =

Phyllostethus varicornis 1 ♀, ant. 41

Theridionid ♀, ant. 20 = *Theridionus triangularis* ♀.

Bracon fulvipes, small ♀, ant. 30. not very typical!

Bracon ruficornis ♂: not mtd. *Dacnusa laevipennis* > ♀, not mtd.

Bracon cf. ruficornis ♂, ant. 19.

Proctos 2: 1 mtd. =

Chalcid 3: none mtd.

Ichneumonid 1 =

14 & 49. cont. Landerstown, K.D., cont.

Taken at 2 (camp field!) *Diprionid* 2: 1 mtd. = *Diprion* ♂, ant. 20. ♀ 20. ♀ 20.

Phaenocarpa ♀, not mtd. *Baryscapus albicinctus* ♂, ant. 29.

Cryptinids 5: none mtd.

Pimpla brevicornis 2 ♂♂. *Leucospis bellator* ♂. *L. crassipes* ♂. *L. crassipes* ♂. *L. crassipes* ♂.

Bracon trinitatus ♂, not mtd. *Zantrophus ruficornis* 1 not mtd.

Homocidus stansipes ♂. *H. ligulatus* 2: 1 mtd., ant. 23.

Proctos *agrestis* ♂, ant. 23. *Proctos* ♂, ant. 23. *Proctos* ♂, ant. 23.

Stenomacrus cf. rufipes, teneral ♀, very small, ant. 24.

Trogilus scutellator ♂, ant. 31.

Exochus tibialis ♂, ant. 27.

Campoplegid 6: not mtd.

Theridionid 3: 2 mtd. = *Theridion* ♂, ant. 17 =

Large ♀, ant. 20+, long. tarsi =

Bracon cf. ruficornis ♀, ant. 27.

B. ruficornis ♀, ant. 30.

B. cf. ruficornis 2 ♀, very teneral, small, ant. 28.

Acrochus ruficornis 1 ♀. *Bracon ruficornis* ♂: not mtd.

Dacnusa obscurus ♂: not mtd.

Spilidius tenuis ♀ 3 } none mtd.

O. communis ♂ 2 }

14. 8. 49, cont.

Taken at 3, cont.

Alloxia contracta ♀: not mtd.

Aspilota curvica ♀ ♀; ant. 18.

A. cf. quercum ♀; ant. 18.

Eucnusa areolaris group ♀: none mtd.

D. rufipes ♂, ant. 26.

D. mixtus ♀, ant. 20.

Coelinius cf. *niger* 8♂♂, in ants & bees! (ant. 45(3), 46(3), 47(2)).

Ephedrus validus & *plagiatus* ♂♂, ♀♀ & ♂: none mtd.

Praon volucre ♂♂ & ♀♀, 4: none mtd.

Aphidius sp. 3: none mtd.

Proctos ♂: 3 mtd. =

Chalcids common, none mtd.

Lygus common, none mtd.

Hemiteles ? =

Proctos =

Hemiteles 1 = *Pygocoris pteridis* ?

14. 8. 49, cont. La Courbe, H.D., cont.

Taken at 3: chasm with *Glyptotendipes* & *Chironomus*, mostly empty!

Glyptotendipes 4 (only 1 mtd. = *Glyptotendipes* ?) ♀: 5, not mtd. ♀

Linocryptus bellator 2♂♂, ♀: not mtd.

Promethes contractus & *palustris* 1♂ each: not mtd.

Mesochorus ♂ 1 ♂, ant. 31.

Mesochorus sp. ♂, ant. 25. M. ♀: ♂, ant. 31.

Rogas circumscriptus ♀: not mtd.

Microgaster ♂: not mtd.

Meteorus leucostictus ♂, ant. 26, very small specimen!

Blacus ~~*infimus*~~ *infimus* 2♂♂: not mtd.

Mesochorus infimus ♂, ant. 35.

Glyptotendipes sp. ? ♀, tergite 2 small, pale, pale, (ant. 26).

Phaenocarpa conspurcator 2 small ♀♀: not mtd.

Aspilota cf. *quercum*: 1♂, ant. 20.

A. new sp. ♂, ant. 16.

Eucnusa areolaris group 2: not mtd.

[Not a single *Pyrocampa*, there usually hundred!]

Ephedrus validus ♀. *Praon volucre* ? ♂. *Aphidius* sp. 2

Proctos ♂.

Chalcids several

Diapriids =

} none mtd.

14.8.49, cont. Landinotown, KD., cont.
 Taken at 10. (collected 21.1.1952): *Eurytoma*? 1 ♂, ant. 24.
Cryptine 6: 2 only mtd. = *Pezomachus* 1 ♂, ant. 23.
Polyblastus cf. *fuscipes* ♂, ant. 18: head injured between cants & glan.
Cryptopimpla cf. *blanda* ♀, ant. 33.
Timonius *bellator* 2 ♂♂, ant. 24. *Glypta* *monacorum* ♀, not mtd.
Proctos *pulchellus* ♂, not mtd.
Chorebus *crispus* ♂, ant. 36. *Ch.* 1 ♂, ant. 29.
Metacoelus red corae ♀, not mtd.
Campoplegid ♀ = *Angitia*? 1 ♀, ant. 24.
Microgaster cf. ♀: not mtd.

Oncophanes *lanceolator* ♀, ant. 22.
Perilissus cf. ♂, ant. 18. [collected 21.1.1952]
Meteorus *abdominator* ♀, ant. 23.
Blacus *trypocleus* ♂, not mtd. *Centistes* *lucidator* ♂, not mtd.
Opius *irregularis* ♀ & 3 others; none mtd.
Aspilota spp. several but all injured between cants & glan.
 cf. *maius*, like most of the other *minutis*: only 1 mtd. =
A. cf. *maius* ♂, ant. 16: but head damaged & prop. very smooth.
Dacnusa *putorius* ♂, *D.* *longicauda* ♂ & ♀.
D. areolaris group 5.
D. 1

14.8.49, cont. Landinotown, KD., cont.
 Taken at 10, cont.
Dacnusa (*Gyrocampa*) *affinis* ♂, ant. 24.
D. (*G.*) *uliginosa* 3 ♂♂, ant. 26, 26, 27; 1 ♀, ant. 24.
D. (*G.*) *myodes* ♀, ant. 23.
Dacnusa cf. *lanceolator* ♀, ant. 25.
Chorebus *crispus* small ♀, ant. 20.
Ephedrus *validus* ♀ [the only *Aphidius*!], not mtd.
Proctos 15: only 2 mtd.

Chalcids 4: not mtd.
Cryptids 3: one mtd.
Gaster jumping beetle 1: one black, one green & one purplish.

Butterflies seen: *Common Blue* ♂♂; *Swallowtail* (cf. *shannoni*) on *Crataegus*;
Meleus *Brown*; *Small Tortoiseshell* (12th brood).
 Dragonflies: *Libellula* *grandis* frequent on canal; *G. juncus*.
Symphyla *striolata*, *Camponotus* 2 spp. 1 ♂ & 1 ♀.
 Hemiptera: large green shield bug - 12 inch diam.
 Sawflies 2: *Tenthredella* *novitella* ♀ & *Pachynematus* *kirbyi* ♂
 (cf. *Bombus*
 (= *dispar*
 (= *undulatus*))

17th Aug. 1899. A nice day, but turning cold in afternoon & starting to drizzle at 6 P.M., so we set out for home.
Left home about 2.30 in car & drove via Farmington to Bellows, Delgany, where collected for 45 minutes of hours around the Alder Swamp where took the *Stratiomyid* *Eristalis* *Oxyura fallax* in 19. & 19 in the hope of getting more of it before the spot is drained & built on. Since we were here last all the remaining trees (Oak & Birch) cut down, as well as many of the Alders, & the whole place strewn with branches & wood. Saw no signs of any *Stratiomyids*, but swept the following, mostly in marshy area at foot of field W. of the main Alder swamp & mixed with (collected of former notes!).

Bellows. W.I.
Dryinids 2 = *Cephalopoda* *variegata* ♂
& *Chelonus* ♂ in 3 or 4. 3 or 4?
Scaphy-toma in Alder = *Phyllotoma* *viridis* ♀
Alomyia debellator 1 red ♂, large
Eurylabus tenax ♀, ant. 40.
Eristalis *variegata* *Hemiteles* *sp.* very small ♂, ant. 18.
Phygadeuon grandiceps *tenax*? (= *subopacum* Grav.) ♀, ant. 21.
Hemiteles ♂ ♀, ant. 19.
Euclyptus? ♂ ♂, ant. 25.

17.8.1899, cont. Bellows. W.I. cont.
Triclistus bellator 3.4.5. in 1 or 2 places
Tryphon strigatus 1 *Hemiteles* ♂ ♀, ant. 35.
Promethes *variegata* 2 ♀, 9th. *Hemiteles* *sp.* 1 ant. 24.
Meloboris? ♂ ♀, scarlet abdomen! ant. 34. Tenax very small!
2 other *Campoplegids* (1 ♂, 1 ♀): not mtd.
Theridion ♂: not mtd.
Bracon fulvipes ♀, ant. 18. 1 ♀ of *variegata* 2 ♀♀, ant. 27, 28.
B. variator 1 ♀, ant. 24.
Triclistus glabellus? ♂
Bracon ruficornis 4.4.4.
Opius *variegata*, small ♀, ant. 25. ♂ of *variegata* 20. ♂, ant. 25. (small red article of *variegata* 25).
Proctos *variegata* 1 ♀, ant. 36.
Aphidius ♂ 3 = *A. mixtus* ♀, ant. 17. *A. cf. ruficornis*? ♀, ant. 18.
A. (Synaldis) cf. fumicollis, ♂, ant. 18.
Opius 2 *variegata* group, about 18, including *Opius* *variegata* none mtd.
2 *Aphidius* 1, ant. 22. *variegata* ant. 22. 1 ♀, ant. 27.
[No *Aphidius*!] *Bracon* *variegata* ♀, ant. 21.
Proctos 9.

Chalcids 1
Euclyptus 5
Hemiteles 1.
Coleoptera 2 (1 mtd.).

2nd Aug. 1899. Saw 1 *variegata* 20. 1 *variegata* 21. 1 *variegata* 22. 1 *variegata* 23. 1 *variegata* 24. 1 *variegata* 25. 1 *variegata* 26. 1 *variegata* 27. 1 *variegata* 28. 1 *variegata* 29. 1 *variegata* 30. 1 *variegata* 31. 1 *variegata* 32. 1 *variegata* 33. 1 *variegata* 34. 1 *variegata* 35. 1 *variegata* 36. 1 *variegata* 37. 1 *variegata* 38. 1 *variegata* 39. 1 *variegata* 40. 1 *variegata* 41. 1 *variegata* 42. 1 *variegata* 43. 1 *variegata* 44. 1 *variegata* 45. 1 *variegata* 46. 1 *variegata* 47. 1 *variegata* 48. 1 *variegata* 49. 1 *variegata* 50. 1 *variegata* 51. 1 *variegata* 52. 1 *variegata* 53. 1 *variegata* 54. 1 *variegata* 55. 1 *variegata* 56. 1 *variegata* 57. 1 *variegata* 58. 1 *variegata* 59. 1 *variegata* 60. 1 *variegata* 61. 1 *variegata* 62. 1 *variegata* 63. 1 *variegata* 64. 1 *variegata* 65. 1 *variegata* 66. 1 *variegata* 67. 1 *variegata* 68. 1 *variegata* 69. 1 *variegata* 70. 1 *variegata* 71. 1 *variegata* 72. 1 *variegata* 73. 1 *variegata* 74. 1 *variegata* 75. 1 *variegata* 76. 1 *variegata* 77. 1 *variegata* 78. 1 *variegata* 79. 1 *variegata* 80. 1 *variegata* 81. 1 *variegata* 82. 1 *variegata* 83. 1 *variegata* 84. 1 *variegata* 85. 1 *variegata* 86. 1 *variegata* 87. 1 *variegata* 88. 1 *variegata* 89. 1 *variegata* 90. 1 *variegata* 91. 1 *variegata* 92. 1 *variegata* 93. 1 *variegata* 94. 1 *variegata* 95. 1 *variegata* 96. 1 *variegata* 97. 1 *variegata* 98. 1 *variegata* 99. 1 *variegata* 100.

21st Aug 1944. A very hot day, but mainly cloudy, & close with rather heavy rain about noon in afternoon - & then in the evening 5 PM.

Left home in car about 10 AM. (George, David & I) & drove via Portlinton to Woodbrook House, Q.B., where collected by sweeping in 3 areas, then drove back to Lendinstown on Grand Canal via Rathfriland, Kilmoghan & Prosperous, where collected in barley & oat fields. Left Lendinstown at 5.40 & home at 6.30 PM with Lendinstown to W & N.

Collected in following places -

- 1 = Out crop bog just E of N gate (entrance) of Woodbrook H.
- 2 = Flat boggy heath, with alder & willow scrub, drain S of N of Woodbrook House & E. of Woodbrook House & also E. edge of said canal about 1 mile N of last station & near Portlinton road. All Q.B.
- 3 = Edge of oat & barley fields, S. of plantation 1/4 mile E of Lendinstown House & S. of ^{road} to K.D.

Common Butterfly (*G. Rhodanus*) seen at 1 at last time.

21.8.44 Woodbrook H. bog, Co. Q.B.
Insects taken at 1. 11.30 - 1.0 PM.

Trypeta 3 *Dactylotrypa* 1 =

Hemiteles cf. *gracilis* ♂, ant. 19.

Phygadeuon *subvirens* ♀, ant. 18; *longicauda*!

Bracon *concolor* & *signatus* ♀, but antennae only 21-seg.

Oncophanes *concolor* ♂, ant. both 21. - see also p. 312 →

Chalcids of *concolor* ♂♂ (ant. 25), 2♀♀ (ant. both 23), 2 ♂♂

Stenobothrus *concolor* ♂: not mtd.

Dacnusa *areolaris* small ♂ & ♀, ant. 20. & very minute *areolaris* & not *areolaris*!!

Spilobea *pogon* ♂, ant. 20. & small = *luteicornis* ♂!

O. exilis ♀, ant. 25.

Phaenocarpa *argentea* ♂, ant. 30.

Aspilota cf. *sp.* ♂, ant. 23. ^{very slight ant. segs, narrow body!} *A. cyripidis* ♀, ant. 30, red legs etc.

Dacnusa (P.) *discolor* ♀, ant. 23, small.

Aphidius cf. ♂, not mtd.

Praon 5 none mtd.

Chalcids 6. 1 myrmecid only mtd. =

Hemiteles 1 =

Tryphon 1 =

Mesochorus 2 =

Stenobothrus 2 both ♂♂ of *Trypeta* =

21.8.49, cont. Woodstock, 12th, cont.
Insects taken at 2

Ichneumon extensorius ♀ on *Agathis*, ant. 32.

Pezomachus sp. ♀, R. & H. ant. 19.

Glypta longicauda? ♂ on *Agathis*, large, ant. 39.

Exochus *lucicola* 2♀♀ not mtd.

Microgaster sp. ♀, ant. 28.

Theridion ♂, ant. 18 =

Colletes 6♀♀ = *C. pedator* Dahl = *secutor* Marshall, ant. all 22. See p. 211.

Dacnusa cf. *condita*? ♂ on *Rosa nigricans*? ♂, ant. 39.

Apanteles sp. ♂, ant. 28.

Microgaster cf. *globatus* ♀.

Microgaster *leucostictus* ♂, ant. 19. *Microgaster* "sp. 1" ♂, ant. 46.

Opus longicaudatus ♂, ant. 31: 1st cubital areolet subdivided in right wing.

Dacnusa bellina ♀, ant. 25. *D. senilis* ♂, ant. 34.

Chorebus conjugens ♂, 14; small, ant. 24 & 20 respectively.

Proctos 2 } not mtd.

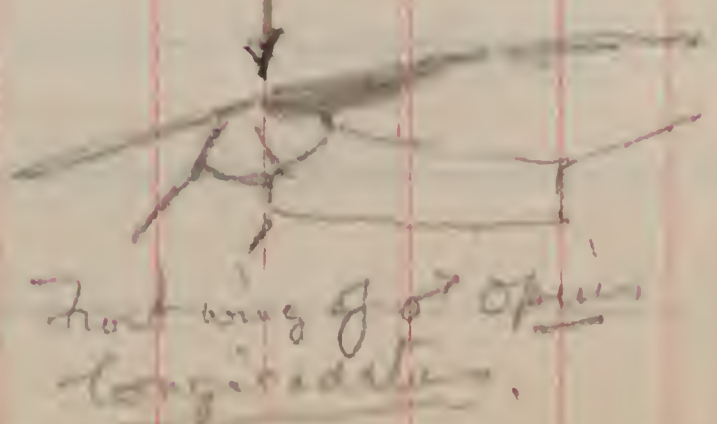
Chalcids 2 } not mtd.

Elaphid ♂, ant. 2.

Hemiteles ♂, large - at canal =

Vespa austriaca ♀.

Tenthredinella monticola ♀, at canal.



Fore wing of ♂ *Opus longicaudatus*.

21.8.49, cont. Landon, 12th, cont.

Insects taken at 2.

Cryptus 9: none mtd.

Pimpla maculata ♀, not mtd.

Barichneumon *tibialis* ♀, ant. 26. *Microgaster* sp. ♂, ant. 32.

Camptoplegid 2: 1 mtd. = *Eulimneria* *anthracinus* ♂, ant. 28.

Microgaster *lanceolatus* ♀, ant. 25.

Microgaster cf. *leucostictus* ♂, ant. 36, var. with internal & external areolet. L. partly mtd.

Blacus *trifidus* ♂, not mtd.

Opus *semiauratus* ♂, ant. 26.

Aspilota 2 ♂♂ = *A. fuscicornis* ♂, ant. 18 & *A. rubripes* ♂, ant. 18.

Dacnusa *areolaris* ♂, ant. 28: not mtd.

D. areolaris ♂, ant. 28: not mtd.

Chorebus *conjugens* 5 ♂♂, ant. 14, 13, 12, 11, 10. *C. conjugens* 1 ♂, ant. 21.

Glypta *plagiator* ♂, ant. 39. *Glypta* *plagiator* ♂, ant. 39. *Glypta* *plagiator* ♂, ant. 39.

Proctos 14: 2 mtd.

Chalcids 6: 1 mtd.

Crucians 2

Dacnusa 2♀♀, small, red pronotum = *Dacnusa* *clavicornis* Kieffer. 2♀♀.

Phragmites, and 20+ : gen at sp. 2

$$2 \rightarrow \begin{cases} \text{aut. 22 2} \\ \text{aut. 22 2} \\ \text{aut. 22 2} \\ x = 0! \end{cases}$$

Proctor, E. C. 1891
Plants on shore? with closed nodules

23 & 24, cont. Thonelager, Co. WI, cont.
 Slight sandy mound in bed of big gully, above
 S. of Lough Buler, at 2,200 ft. = station 2.
 Labelled 'Thonelager, (2) 23.8.49.'

Cryptine 3 ♂♂ = *Hemiteles apertus* 2 ♂♂ on with shortly seen along
 the 2nd divisional section in forest, but 23.8.49.
Phygadeuon? ♂, ant. 20.
Orthocentrus asper ♂, ant. 23.
Co. papayid ♂ = *Holocremna*? ♂, ant. 28. (Same as taken at 1, p. 315)

[Bacon ^{cf. ruficornis var. but} ^{antennae from under soil} ♂, possibly in garden, near Sunday
 + kept for 24 hours.
 therefore from station 2 at Woodhurst Ho., in autumn.
 better off, stuck to side of under, a rather stiff!]
 (antennae from under soil, 24.8.49, 24.8.49.)

Apanteles vinnicinctus 1 ♀.
Dacnusa areolaris ♂, 1 ♀, ant. 20.
D. desmisi 2 ♂♂, ant. 29 & 31.

Proctos 4 (all very common) =

25th August 1949. Went to 10,000 hrs to Sutton town connection
 - prepared in habitation site in raised beach - what it had
 proved on the W. shore of North Island, where P. Mitchell
 had reported the discovery of an extensive beach ridge
 older than the raised beach. While there tried sweeping
 edges of fields & field drains, but everything was so foggy
 to a thick sea fog & collecting difficult. After lunch conditions
 better & swept long grass, etc., above old quarry E. of the Harth
 road.

Fields, drains, quarry, etc. 1/2 mile SE of Sutton station, Co. DU.
 (33 mounted & labelled 21.2.1950.)

5 spp. *Meteorus* sp. ♂ &
Cryptine 144 only 2 spp. = *Phygadeuon* of *Phygadeuon* group ♀, ant. 20.
 a *Leptocryptus* ♀, ant. 34.

Chorebus *littoralis* 1 ♂♂ 2 ♀♀ seen ^{not mtd.} *L. sulphureus* group Red wine
Phygadeuon *reducta* 1 large ♀, ant. 43.
Stenomacrus *quadrinotatus* ♂, ant. 24.
Polyblastus *varicornis* 1 large ♀, carrying many young! Ant. 39.
Exochus *insipidus* 1 ♀, ant. 24.
Dacnusa *lactatorum* large ♀, not mtd.
Camptoplegid 2: none mtd.
Leptopygus *herpessus*? 5 ♂♂, 1 ♀ by *herpessus*: none mtd.
Proctos *apicicornis* ♂, ant. 20.
Polyblastus of *fructifera* group ♂, ant. 18.

25 Aug, cont. Sullivan Co. Ill., cont.
Parasomus ~~inflatus~~ ^{sticticus} ~~inflatus~~ ♀, ant. 33+, broken!
Apanteles cf. *congestus* ♀.
Perilitus sp. ♂? Black, very small, ant. 14.
Dacnusa areolaris ♀, small: "intermedia" form? ant. 32.
Eulophus catorum ♀ with off white: a fine specimen, with 4-5 seg. ant.
Microgaster confusus ♂, ant. 36.
Opius "cinctatus" ♀ = 28-segmented ant., ant. 31.
Alysia tipulae ♂, ant. 31+ (broken).
Phaenocarpa lucida ♂, 27. *Ph. flavipes* ♂, ant. 20.
Aphidius tenuicornis ♀, ant. 23.
Aspilota spp. 6, including *A. dentifemur* ♀, ant. 19. / *Aspilota*
A. minutissima or *minutissima*? pale legs, ♀, ant. 15, very small. / *A. minutissima* ♀, ant. 17.
A. minutissima? dark legs, very small ♂, ant. 17. / *A. minutissima* ♂, ant. 17.
A. minutissima ♂, ant. 17, pale legs, longer than last two! / *A. minutissima* ♂, ant. 21.
Dacnusa areolaris group 5: 1 very minute ♀ with dark legs, 10 seg. ant. = 27.
D. quadricolor Nixon: 2 ♂♂, 2 ♀♀, ant. 29 (2001), 29 & 30 (25).
D. cyclops 2: not mtd. *D. elegans* 4: not mtd.
D. gilvipes 4: not mtd.
D. areolaris 2: not mtd.
D. quadricolor 2: not mtd.
Chalcids 6: not mtd.
Euclyptus 2, not identified: not mtd.
Diptera *Stethomyia* =

28th Aug 1949. A cloudy day! All morning with overcast breeze with edge of depression to NW. clearing over the plain & clouds approaching; clearing in afternoon with breeze strengthening & rain. W.; some drizzle about 6 PM in return journey, but no rain in Dublin till 9 PM on 29th.
Drove to Whitehall, Drumcondra, to pick up Margaret & Howard Hudson at 9.30 AM. & then back home to pick up Daisy. Left home at 10.15 AM & drove to Coon, Glen of Liscartney, Co. WI., arriving there at 11.42. Went up ridge behind Camara Hill & started into N. Binnion on bog scrub. Had lunch just below the Springfield hydroelectric station at 1000-1500 ft. (?) Then I swept mainly under logs by the stream (51) on way up to the side of Cam at 2200 ft. just below water for Bannock & Reed rivers. Swept mainly on rocky spots around the turn for an hour. Tellington by Hudson, who had been working cliffs for plants, about 4. After visiting the above places continued up cliffs on E. side, above the last turn, to summit plateau, seeing only *Vacc. vitis-idaea*, *Juniperus communis* & *Salix herbacea*, of interest. Went up to summit, where found the stream (Binn. Tull) meandering with water, which all mtd. in one visit below the stream. On 1-2 mtd. all proved to be *Vespa sylvestris* as on *Succisa* (p. 250).

25.6.49, cont. North Basin & Longgallie, W.I., cont.
 but both ♂♂ & ♀♀ present. Found the mottled in character on
 eastern stream on summit of cairn & in eastern crevices,
 the snow mixed. 7 or 8 small stones & at least a dozen
 one crevice, but showing no signs of nesting. This may
 perhaps take place in the crevices of the cairn, where the
 ♀♀ no doubt spend the winter. After leaving summit
 & seeing the cabin out out for 6000, Hudson & I went
 down to top of the cliffs of South Basin to try to locate the
 plant of Parley Fern (also discovered by J. & J. Palmer)
 on the west summit of the topmost crags of the great cliff.
 I think I located the spot correctly, but if so the
 Parley Fern is no longer there. Left here about 6 P.M.
 & back at car about 7 P.M. When had tea & midge. Left
 for home about 7.20 & home at 8.45, the old car
 going wonderfully on both journeys.

Saw several Bee with Butterfly during the day &
 one unrecognised butterfly on the summit plateau,
 but very few (almost none) of Brimble Bee seen &
 the only one recognised was seen at B. lucorum.

25.6.49, cont. North Basin, Longgallie, W.I., cont. (Indicates ground where
 collected in 1956.)
 Insects taken at 1. 1 Chrysoidea (by R. Stacey at 1900 ft.)
Cryptine, small, ♂♂, about 2-3 mm. (collected in 1956)
 H. of 2 with long and purple, H. of 1 with red and purple & light
 2 with 1, these three, common, 1 ♀ only. Only 2 mounted =
Chrysoidea - 1 ♂, 1 ♀, both 19.
Chrysoidea - 1 ♂, 1 ♀, both 22.
Prionoxystus dorsalis 100. not mtd.

Metacoelus lucorum - ♂, ant. 24.

2. do ♀, ant. 22.

Dacnusa claytoniae ♀, not mtd.

Chrysoidea conjugens ♀, ant. 19.

Microgaster caesus s. of caesus? ♂♂ and mtd. mtd.

Epilachna sp. 200. not mtd.

Parley - 1 ♂, 2 mtd.

Chrysoidea 1
Chrysoidea 1 } none mtd
Chrysoidea 2.

28.8.49 cont. N. River, Long. Co. WI, cont.
 Taken at 2. (Ground level at 2.5 m) ^{Sample from 2.5 m}
 Cryptids - abundant, but mostly small & few species: at least
 50 in number, but hardly mounted -
Homocidus repens 2 ♀♀, ant. 21 & 20+. *H. g. 22* 2 ♂♂, ant. 19.
H. g. 22 2 ♂♂, ant. 22.
Phygadeuon sp. 2 ♀♀, ant. both 19.
Orthocentrus cf. *radialis* ♂, ant. 19.
Stenomacrus sp. ♂, ant. 17.
St. sp. ♀, ant. 19+; tergite 12 not of 2nd sternite: ^{very similar to} *Stenomacrus* sp.
St. sp. ♂, ant. 19+; tergite 12 not of 2nd sternite: ^{very similar to} *Stenomacrus* sp.
 Gen. et sp. ? (Euclyptid?); ant. 20+; ♀
Promethes sulcator 2 ♂♂; not mtd.
Homocidus signatus ♂, ant. 21; areolet almost missing!
 [No sign of *H. signatus*, taken here on 6.8.31 & 30.8.1939, & by the ♂ of
 which is the chief of my visit to Long; cf. *Thomaspus* or 33.8.49.]
Thomaspus sp. large ♂, ant. 24+ =
Metacoelus *laevigatus* ♀, ant. 25.
Pentapleura sp. ♂, black, yellowish, ant. 22.
Opus laevigatus ♂, ant. 32.
Macrus *gemma* ♀, ant. 29 = *maculosa* Th. near of Nixon!

28.8.49 cont. N. River, Long. Co. WI, cont.
Homocidus repens 2 ♀♀
Promethes sulcator 2 ♂♂
Thomaspus sp. 2 ♂♂
Thomaspus sp. 2 ♂♂
Thomaspus sp. 2 ♂♂

1st Sept. 1949. A beautiful day, after a very wet one. Nearly all
 covered with fresh S.W. wind. Left home at 10.15 AM with Mr. J. Palmer
 & drove to Sullymuckilly, Co. Wick. Grand house
 & walked up to Gollinstown bridge & park. Collected in
 four areas as follows -

- 1 = edge of canal from lock to Gollinstown
- 2 = pond over wall, N. of canal to wall, W. of Gollinstown bridge
- 3 = 1st & 5th sides of 2nd pond, S. of canal & W. of bridge
- 4 = 3rd pond & SW corner of 2nd pond, " " " "

Bombus agrorum 2 ♂♂ & 4 ♀♀ frequent feds below

B. d. shannoni 1 ♂ & 1 ♀ seen. *B. pratorum* several ♀♀.

B. lapidarius feds ♂♂

B. lucorum several ♀♀, one feds, others feds

B. agrorum frequent.

1949, cont. Gollinstown, DU., cont.

Taken at 3, cont.

Opius irregularis 1 ♂, *O. caesus* 3, not mtd.*O. semimaculatus* 1 ♀, not mtd.*Pentapleura pumilio* ♀, not mtd.*Phaenocarpa nimia* (= *P. curvica* Hal) ♂, ant. 28.*P. conspurcator* ♀, *P. picinervis* ♂, *P. livida* ♂, ant. 21.*Dacnusa areolaris* group 5. *D. gilvipes* 1 ♂*D. (Gyrocampa) eschella* 2 ♂♂, not mtd.*D. (G.) hirticornis* ♂, ant. 22.*D. (G.) temporaria* " ♀, ant. 20.*D. (G.) cf. nigrescens* ? 1 ♂, ant. 24, very long radial cell!*Chacusa conjugens* 13 (♂♂ & ♀), small & dark; none mtd.*C. asper* mtd. ♀, same as from Kettle-hole near Carrick, Co. WX.*Triclistus caesus* 2 ♀, not mtd.*Proctos*: about a dozen & one species swept in

abundance - none mtd.

Chalcids 11: none mtd.

1949, cont. Gollinstown, DU., cont.

Taken at 4. [Chalcids from 4 & 5 (labelled on 23.2.1956)]

Microgaster sp. 2 ♂♂, 2 ♀♀, none mtd.*Collyphus* sp. ♂, not from 4 & 5 (but from 4 & 5) (Zapovnik's description - see note!) none mtd.*Microgaster* sp. 1 ♀*Phaenocarpa nimia* ♂ (= *P. curvica* Hal); ant. 20.*Dacnusa areolaris* group 2 ♂♂. *D. gilvipes* 2 ♂♂, not mtd.*D. cyathophora* ♂, not mtd. *D. tenuis* 1 ♀, ant. 24.*D. (Gyrocampa) affinis* 1 ♂, ant. 22. *D. (G.) uliginosa* Hal (2 ♂♂), not mtd.*D. scabripennis* ♀, ant. 21.*Exochus* sp. 1 ♂, 1 ♀, not mtd. 1 ♂, ant. 27.*Chacusa conjugens* abundant, ♂♂ & ♀♀, none mtd.*Ephedrus ruber* 1 ♂, 1 ♀, not mtd.*Triclistus caesus* 1 ♂, 1 ♀, not mtd.*Aphidius* sp. 1 ♀, very small, ant. 13/14, not mtd.*Proctos* 7: none mtd.*Chalcids* 1: not mtd.*Butterflies* common blue (♂ & ♀) in extraordinary abundance.

Wall butterfly common. Small tortoiseshell frequent.

Painted Lady one, ♂ & ♀!

on 27/9/49
 taken in
 100 ft. tower
 at Carrick
 Co. WX.
 1949

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$$\text{Proct. } 10^{-7} =$$

Field 3. of 2 above Johnston, Co. Ill.

8.9.49, cont. Abingdon, Dorset, cont.

Triclistus sp. ♀: 2.1.1.1.1.

Camptopogon ♂: 4.1.1.1.1.

Helictes sp. ♂: 2.1.1.1.1.

Acrobia *subparvipes* ♂.

Perilitus *biortus*? ♂: 1.1.1.1.1. (double bar!) ant. 22, 23.1.1.

Perilitus sp. ♂: 1.1.1.1.1. (subter. bar!) ant. 22, but very small.

Triclistus *vicinus* ♂: ♀, ant. 22. *Dicopila* *oblongus* ♂: 2.1.1.1.1.

Opius *circulator* ♂ + ♀. *O. circulator* large ♀, rather small.

Proctos *procerus* ♂: ant. 21.

Alysiid ♂: 2.1.1.1.1. *Pentapleura* *pyralis* ♂: ant. 22.

Phaenocarpa *ruficeps* ♂: ant. 22. *P. ruficeps* ♂: ant. 21.

A. confusator ♀: 1.1.1.1.1. + "also ♂, small, ant. 21.1.1.1.1.

Aspilota sp. ♂: 2.1.1.1.1. (small) sp. ♂: 2.1.1.1.1. (small), ant. 22.

Leucospis *longicauda*, *Leucospis* sp. + *Leucospis* sp. ♂: 2.1.1.1.1.

D. elongata ♀: 1.1.1.1.1. *D. diantae* 1 ♂, ant. 30.

D. elongata? ♂, ant. 30: but top of 1. seems rather broad & flat.

D. (Gyrocampa) *affinis* 2 ♂♂. *Gyrocampa* *variegata* ♂: ant. 21.

Ephedrus *validus* ♂: 2.1.1.1.1. *Ephedrus* *validus* ♂: 2.1.1.1.1.

Triclistus *procerus* ♂: 2.1.1.1.1. ant. 12 (21, 23, 25). 2.1.1.1.1. ant. 12. 2.1.1.1.1.

Aspilota sp. ♂: 2.1.1.1.1. sp. ♂: 2.1.1.1.1. 1 - smaller, ant. 21.

8.9.49, cont. Abingdon, Dorset, cont.

Proctos *abundant*: 30 in garden - 5 in field, 1 in 1.1.1.1.1.

Helictes 2.1.1.1.1.

Camptopogon 1.1.1.1.1.

9th Sept 1949. A nice day, windy (SW) - forenoon, but not quite

brave by late afternoon, rain, with much sun in afternoon.

Planted in garden about 1.1.1.1.1. below a white flag

yellow blackberry - of which there is a very large crop -

I swept insects in two areas, both different from previous day.

1 = S. edge of second field below road along hillside.

2 = W. edge of field in turnip to E. of station 1.



Insects taken at 1. [Could find 1.1.1.1.1. 2.1.1.1.1.]

Cryptus 2.1.1.1.1. none etc.

Proctos *abundant* ♂: ant. 21.

Stenomacrus sp. (not 2.1.1.1.1.) ♂: ant. 22. *Pentapleura* sp. ♂: 2.1.1.1.1. (small) ♂: 2.1.1.1.1. (small).

Leptopyga *harpagum* ♂: 2.1.1.1.1. *Camptopogon* sp. ♂: 2.1.1.1.1.

Phaenocarpa ♀, ant. 19.

Proctos *apertus* 11.1.1.1.1. ♂: ant. 22. *Ascogaster* *elysiae* (1.1.1.1.1.); ant. 26.

Perilitus 4 = *P. basalis* *basalis* ♂: ant. 18. 1.1.1.1.1. ♂: ant. 18. 1.1.1.1.1. ♂: ant. 18. 1.1.1.1.1.

P. cf. basalis (Halt.) *Thomson* 1.1.1.1.1. ♂: ant. 18. 1.1.1.1.1. ♂: ant. 18. 1.1.1.1.1.

smaller than *basalis* ♂: 1.1.1.1.1. ♂: 1.1.1.1.1. ♂: 1.1.1.1.1.

9.9.49, cont. Above Johnston, 200, cont.

Taken at 2, cont.

Aphidius 10, 2♂: 9 red, 1 black = 9 geminatus Hinton, ant. 15.

Proctos 9: 100, 100 =

Chalcids 4 } same as 1
Cynipids 2 }

11th Sept. 1949. A very fine day, after a misty morning & a cloudy, drizzly day on 10th.

Left home at 10 AM. in mist, with mist down to hills to 500 ft. but after passing, breaking down into fine weather, blue sky & east wind. Arrived at Kippure Lodge, Upper Liffey at 10.45 & stayed about there till 3 PM. Then back to Athdown till 5 PM. & so home.

Entirely sunny where we were, with mist on hills above 1300 all day, sun very hot, & very strong E-NE wind blowing down from hills & so with a day for grounds!

Collected by sweeping in these areas as follows: —

11.9.49, cont. Kippure Ho. & Athdown, Co. WI., cont.

1 = Bush, oak, & scrub along tributary from Kippure Lodge to half way down to R. Liffey.

2 = Swamp & overgrown in S.W. corner of field S. of station 1, & close to Liffey.

3 = Margin of potato & corn & hay fields just below road at the Run, Athdown. Corn just cut!

Insects taken at 1 (Kippure Ho., birch scrub, etc.)

Schizura tenax 1 ♂, ant. 38. [2nd inst. from 1st inst. labelled 10.1.1950 at 10.1.50]

Campoplex divinator 1 ♂, ant. 22.

Chalcids approx. 20, ant. both 21.

Phaenocarpa fulvipes 2 ♂, ant. 24.

Cynipids approx. 2 ♂, not mtd.

Campoplex about 15, including Stenomacrus 2, 2♂, 2♀♀, 2♀♀.

9.10 = Euclyptus 1 ♂, ant. 24, 1 ♂, ant. 24, 1 ♂, ant. 24.

Chalcids 1 ♂, ant. 22.

Campoplex ovatus 2 ♂, ant. 27.

Campoplex 2 ♂, ant. both 20.

Chalcids 2 ♂, ant. 46.

15th Sept. 1949. A pleasant day, mostly all sunny, after 10.45
 with strong SW breeze. In afternoon drove to the
 Brittas Road (also Slade of Saggart) & swept the margin
 of the lower (western) pond for half an hour; then drove back
 to W. side of Slade of Saggart & collected there for about
 an hour, as follows:—

- 1 = W margin of lower Brittas Pond, Co. DU.
- all 12. 200 ft. 3.0-2.50 PM. Very hot sun!
- 2 = Slade of Saggart, left (W) bank, under trees back
 road at end of the Slade.
- 3 = lower part of the Slade of Saggart by old road & dry
 stream (off bank) on way back to end of Slade.

Brittas Pond (lower), Co. DU.

Insects taken at 1. [16 mtd & then collected 28.12.1949.]

Cryptine 7, Hymenoptera 17, 17 of H. gressit. group. ^{mostly small ones, ant. 17}
 Zootaphus confusus ^{not mtd.} & Hymenoptera signatus ^{not mtd.} 1 mtd. 17. 17. 17.
 Siphon 1 of ca. dolo. ^{not mtd.} 200. Diaplo. ^{not mtd.} 200. ^{not mtd.} 200. ^{not mtd.} 200.
 Allura contracta ^{not mtd.} 200. ^{not mtd.} 200. ^{not mtd.} 200. ^{not mtd.} 200.
 Dacnusa elegantula ^{not mtd.} 200. ^{not mtd.} 200. ^{not mtd.} 200. ^{not mtd.} 200.
 D. f. ^{not mtd.} 200. ^{not mtd.} 200. ^{not mtd.} 200. ^{not mtd.} 200.
 Stenobothrus ^{not mtd.} 200. ^{not mtd.} 200. ^{not mtd.} 200. ^{not mtd.} 200.
 R. 5: 3 mtd. ^{not mtd.} 200. ^{not mtd.} 200. ^{not mtd.} 200. ^{not mtd.} 200.

15.9.49. cont. - Slade of Saggart, DU.

Taken at 2.

Phaenocarpa 2. Diaplo. 2. not mtd.

Phaenocarpa 2. Diaplo. 2. not mtd.

Cryptine 3: 2 mtd. & Hymenoptera 17. 17. 17.

Orthocentrus 2. Diaplo. 2. not mtd.

Stenobothrus 3. Diaplo. 2. not mtd.

Stenobothrus 2. Diaplo. 2. not mtd.

Plectiscus 2 = Plectiscus 2. not mtd.

Plectiscus 2. Diaplo. 2. not mtd.

Oncophanes 2. Diaplo. 2. not mtd.

Plectiscus 2. Diaplo. 2. not mtd.

Plectiscus 2. Diaplo. 2. not mtd.

Allura contracta 2. not mtd.

Tanycompta areolaris 2. not mtd.

Aspilota 10 = A. cyripidis 23. 23. 23. A. minutissima 2. not mtd.

A. 2. Diaplo. 2. not mtd.

A. 2. Diaplo. 2. not mtd.

A. 2. Diaplo. 2. not mtd.

A. 2. Diaplo. 2. not mtd.

Phaenocarpa 2. Diaplo. 2. not mtd.

2. Diaplo. 2. not mtd.

16.9.29, cont. Landerstown, H.D.
 Collected by sweeping in 3 areas, as follows -
 1 = W & S sides of barley field (cont.) S of plantation
 road & canal, 1/2 mile E. of Landerstown H.D.
 2 = W side of malt field to E, N. side of first field,
 & edge of plantation
 3 = S edge of canal, opposite plantation

Insects taken at 1. [29 mounted from 1 & 2 then taken at 26.22.29]
 Cryptine 16, including *Phaenocarpa* & *very* *chad* & *delic* =
Leptocryptus 1 ♀, ant. 24, not mtd.

Homocidus pallipes ♂.
Orthocentrus radiatus about 100, 488 = 200 (ant. 28-30), 277 (ant. 28-29) mounted.
Stenomacrus aff. h. l. l. g. St. of *pallipes* but legs dark; ant. 21, 21, 22, 11.
Campoplex 2, 2 not mtd.
Helictes 200 10 mtd, ant. 27 =
Proctos 10, 1 ♀; ant. 24(♂), 26(♀); very small.
Leptocryptus *leptus* 1 ♂; ant. 24. *Theridion* 7, ant. 20 =
Phygadeuon *clavator* ♀, ant. 24. *Apanteles* *laticinctus* 10, 1 ♂, not mtd.
Pentatomus 1 ♀, ant. 24 & 25.

16.9.29, cont. Landerstown, H.D. cont.
 Taken at 1, cont.
Blacus tripudians ♂. B. *l. l. g.* group (B. *l. l. g.* ant. 22-23)
Blacus contractus ♂ & *Phaenocarpa confusator*? 10-15, ant. 24, not mtd.
Aspilota spp. 10, 1 ♂, ant. 24, not mtd. - 2 *contaminata* & 1 *montana* 9, ant. 24, not mtd.
Gaenusa *caerulea* group 15. 2 *cyathus* 200. *D. alpestris* 2 ♂.
Proctos *abjectus* ♂. *Aphidius* spp. 200.
Proctos *chad* - about 20 - not mtd, 2 mtd. - *Proctos* *apertus* ♂ & ♀.

Helictes 4, 2 mtd, not mtd =
Cryptine 10, 1 ♂, *Helictes* *chad*, 100, common on *Schiz*, 1.
Blue jumper, *laticinctus* 1 ♂.
 1 flat beetle = *Sorocoma* *grisea*.

Taken at 2 [15 mounted from 2 & 3 then taken at 27.12.29]
Cryptine 16, 2 mtd. - *Phygadeuon* 1 ♂, ant. 21.
Leptocryptus 1 ♀, ant. 25, not mtd.
Stenomacrus *confusus* 2, 2 mtd. *Campoplex* 1 ♂, ant. 24.
Apanteles 4 mtd. 1 ♀. *Pentatomus* 1 ♀. *Blacus* *confusus* ♂, ant. 24.
Opius *confusus* ♂. *Phaenocarpa* *laticinctus* 3, ant. 19. *St. l. l. g.* ♂, ant. 24.
Proctos *apertus* ♂ & ♀. *Gaenusa* *lucida* 1 ♂ & ♀. *Helictes* *chad* ♂, ant. 24.
Gaenusa *abjectus* 2 ♂. *D. cyathus* 1 ♂. *Homocidus* *clavator* 1 ♂, ant. 24.
Proctos 1, *chad* *chad*, 17, ant. 24. *Proctos* 1, ant. 24. *Proctos* 1, ant. 24.
Aphidius spp. 200. *Proctos* 15, 1 ♂, ant. 24. *Proctos* *apertus* ♂, ant. 24.
Chalcids 2 } same as 1.
Cryptine 3. } same as 1.
Homocidus 1, ant. 24. *Proctos* 1, ant. 24.



Mr. & Mrs. Brewster

18.9.1949, cont. The Murrenagh, Co. WI., cont.

In 2nd muck, cont.

Osmia sp. 10000, 1498, 10 (ant. 19), 12 (ant. 20) pale, pale legs.
Gymnusa succinea ♂, ant. 27.
Gymnusa geminata 10, 12, on edge of drain. Ant. 20 & 27, impet.

Brachon 10000, 1498, 10 (ant. 19), 12 (ant. 20) pale, pale legs.

Sigalphus flavicola 1♀, the only hymenoptera taken in muck; swept
outside muck, just S. of the big bridge at The Murrenagh. Ant. 20.

Aspilota ruficornis ♂, ant. 21

Aphacota cephalotes, small ♀, ant. 18.

Aspilota ruficornis ♂, ant. 20,

Dacnusa areolaris m. 3 taken but only 1 from 1st muck & return.

Aphidius sp. 4000, ant. 16, 16, 17 & 17.

Proctos. 2. both old. =

Chalcids. 7. all old. 3 spp.

Coleoptera 3 = 3 Staph. =

1 Bombus? =

Bethylus aphelotes 2 ♀♀, see note at top of p. 357.

1840.

Holiday's diary, 1 notes from, continued from overleaf 7

[Continued from p. 15, overleaf 2]

End of August. September

[Heddon, Co. Down? A.W.S.]

Aug. 10th - 20th

Platygaster curv. ♂ found last.

Stigmaeus tenebriculus

Taraxacum vulgare sat. 7 on Quercus.

Eubedius fuscipes ♂

T. diffusum 2 ♀ } Betula alba.

Microplitis apicalis

Platygaster 2 }

Taraxacum vulgare

Taraxacum

[For duplicate list as above

[Last entry is dated Sept. 11th

see p. 3 under date of

1840, but no mention of

"End of Aug. Sept. 1836"

Hymenoptera after the above

A.W.S.]

date of 10-20 Aug. "1840"

END OF LARGEST DIARY, 1836-40

[Notes from a small diary]

doubtfully dated 1849 'A.W.S.]

"July 2nd"

"Halorus anomalus not

uncommon [at Fortmunk,

Co. Dublin 'A.W.S.] where the

compact sand bank overgrown

with bent, Eryngium, + c.,

slopes down to the sea

towards the point"

1839

Haliday's diary (note from) cont.

[July: cont. from p. 12 opposite →]

6-8 [July 1839.] [Clifton, Hollywood, A.N.S.]

Alysiid *Floricornis* ♀ [Ground
from 18
July 1839]

Platygaster

similar, *Pseustellaria* red BS fore
tot. nigr.P. *cardice*Blacus *longipennis*Microgaster *shippensis* nigr.8-11. *Gorytus mystecus**Exochus* *eximius* ♀*Euclyptus* *sticticus* 2 fully developedX *Euclyptus* ♂♂ & ♀♀ *Be* *can*
classa exact *B. rami* 3Platygaster affinis *P. minor*
red BS sup. Cl. fusc. ♂♂ *micro*
crisp.P. *echleator*16. Platyg. *catellus* ♂17. *Orthocentrus* 11 subpetiol.X *Opius* Shore.II "subt. e. squam. sulco
subobscuro vis. [?] rugul.
Sapient. Co. Ca. ref.[I found the specimen in box +
labeled beneath the card
It is a specimen of my *dissectus* n. sp.
taken at Ennsdorf, Wt., on 12/16.7.1937.
A.W.S. 22.3.1941]

[17 July 1839, cont.]

*Euclyptus**Meloboris* *arvensis**Proctotrupes* *granulatus* ♂20. *Chalcidius* 4-spines ♀*Figitus* *scutellus* 1st fr. in st. fr.

23-26

Platygaster - *scopius*Flower of *longipennis*, n.*Alysiid* *picicornis* super. from *can**Spalangia* *nigra* fusc. in *can* *can*30. *Atletia* *lucida**Chelonus* ♂ *lucida* *lucida*X *Exochus* *formosus* ? ♀*E. crispus* sup. C³-W nigr.*E. nigrus* sup. a. atten. c. *trans*

subtus BS piceus. ♂ ante A

subfemor. ♂ *can* *can* *can*U. 3 atten. ♂ *can* *can* *can*

area 5, medio luccari. AS fusc.

A. 2.

[Several of above words are doubtful
but I have copied them as well
as I can from my own original
notes. A.W.S. 22.1.1947]X *Opius* *abnormis*[This specimen found by me
in box of Haliday's coll.]

A.W.S. 22.1.1947]

[cont. on p. 14 overleaf!]

1838.

Haliday's diary (note from) cont.

[October continued from p. 11 overleaf →]

Oct 20.

Proctotrupes *albus* *lucida* *lucida**Chalcidius* *can* *can* *can**Chalcidius* *can* *can* *can**Chalcidius*

[End of 1838!]

1839.

April 5th

Ceraphron ♀*Spalangia**Belyta*May 6th *Exochus* *talpa**Euclyptus* *pallidistigma* *may**Aphidius* *Ephedrus**Ceraphron*May 24 [no *Hymenoptera*!]May 30. *Leucophaea* *can**Microgaster* *fulvipes**Atletia* *can* *can*[no locality is mentioned for any of the
above until we come to 30th. Haliday
insect is recorded from "Shore" so I must
assume it was at Hollywood, Co. Down.]June 3. *Beacon*13. *Ceraphron* *flavicornis**Rogas* *testaceus**Alysiid* *manducator* *can* *can**Ceraphron* *lucida**Euclyptus* *fulvipes*July 2. *Platygaster* ♂♂ *micro**testaceus* ♀ *can* *can* *can**can* *can* *can* *can**can* *can* *can* *can**Pteromalus**Diapriid* *parvula**Ceraphron* ♂ ♂♂ 1-*can**can* *can**Platygaster**Alysiid* *incognita*, *tabida**Euclyptus**Ceraphron* ♂ *can* *can**Perilissus* *micropterus* *freq.**Chalcidius**Proctotrupes* *boscii* *sat. fr.**Opius* *fulvipes* *can* *can**Chelonus**Atractodes*

[cont. on p. 13 opposite!]

1838: August cont. from p. 10

23^d *Ceraphron halidayi* ^[transf. from]
Sp. affinis ♂ *S. minutus* ♂ 1 ^[lib. d.]
Helorus *discolor* ♀ 1. *ibid.*
Perilissus californicus ♀ 1.
Microplitis ♀ 1.
Platygaster reticulatus ♀ 1.
Spilomicrus ♀ 1.
Lygus ♀ 1.
 Minute *Lasius* now abundant
 in sheltered spots under trees.
Polybia fuscicornis *fenestrata*
Proctotrupes gravellator
Telenomus
Empidus
Microgaster testaceus, 12.
Ceraphron nanus
Microgaster crassicornis ^[det.]
Polybia ♂ ant-comper.
 130 *U. p. punct.* - *regalis*
Tryphon *rubricornis* 4 wood.
Diapria ♂ ♂ *S. flav.* *B. trigon.*
Cladius
Microplitis testaceus
Microgaster pallidus ♀

Haliday's diary (cont. from) continued.

Sept. 1-5.
 8th *Proctotrupes bicolor* ♀ 1. Wood.
Ceraphron (11)
 ♂ *S. californicus* *subobs.*
 2 ✓ *exert.* [Eno!]
 Oct 2. *Diapria notata* ♀ 1.
Alysia
Alysia (*Brachygastra*) ^[non inf.]
 X *Parasus testaceus*
Schneemon
Microgaster pallidus ♂ ♀ sat. fr.
Opius rusticus
Diapria obscura ♀.
Perilissus pilator
Orthocentrus
 6. *Alysia rufidens* ♂ ^[sandy field]
Proctotrupes bicolor ♂
 Oct 9 *Proct. nigr.* ♀ several. victor rare
 12. *ater* common. *ligatus* 3 var.
 (2 3/4 in *S. nigr.* *crispus*)
Diapria similis ♂
 2. *Spilomicrus rubripes*
Parasus rufipes
Pteromalus ^[in windows]
Abtractus inceptor [inceptor]
Helictes compactor
 [Cont. on p. 12 under Sept.]

1838. July cont. *Haliday's diary (cont. from)* continued.

7th *Blacus* - *C. Hard Wood*
Opius *trigula* ♀
Anagrus *pallipes*
Anagrus
Exochus *arvensis*
 10th *Opius* *trigula* ♀
Exochus *arvensis*
Blacus ♀ *B. H. f. f. f.*
 July 20th *Proctotrupes* *arvensis*
Exochus *arvensis* sat. fr.
E. podagrinus *S. flav.*
 ♀ *valid.*
Helorus *discolor* ♀
Proctotrupes *californicus* ♀ 1. 10th.
Microgaster perspicillator ♀
 [argyle ♂ sat. fr.]
Oxytelus *marginatus*
 [tachy. *parapiliformis* not inf.]
Colletes *foedus* [Eno! AWS]
Lygus *formosa* 1 ♀
Rogus bicolor V ♂ 3rd fr.
Anagrus
Exochus
Lagria hirta
Microgaster obscurus ♂.
 [Dichomyces, *Euphorus*, *Chrysomel.*
 not seen in the field.]

25th *Hard Wood*
Acacia *suberosa* sat. fr.
Exochus *arvensis*
 31. *Formica* *subsericea* ♂
 [Eno! *subsericea* (1842)]
Formica *subsericea* ♂
 [Eno! *subsericea* (1842)]
 August
 1.
Rogus *rugulatus*
Exochus *arvensis* ♀ 1 among them
 Aug. 11th
Anagrus
Exochus *arvensis* *obscurus*
Platygaster *arvensis*
Spilomicrus *arvensis*
 13-14. *Parasus* *testaceus* *cliffensis*
Microplitis *antelope*
Spilomicrus
Cladius sat. fr.
Empidus *arvensis*
Perilissus
Alysia *rufidens* *tabida*
Opius *obscurus*
Exochus *arvensis*
 [Cont. on p. 11 opposite]

1837. Holidays diary (notes from) cont.

- 19th July *Telenomus* - ♂ [Newland burn continues?]
Aphidius - in flower of *Hieracium* *Brachon*
Chorebus - several *ovoides*
 August [20th August, continued 'AWS'] *Schizopoda*
Lamproloma crassicornis *Colastes lanceolator*
 12 *Opis* - on broom
Macrometopus marginator ♂ [What I believe to be the *Opis*
 near H. Wood found in Holidays, 6th Sept. in
 box 6, sealed, & the card
 labelled beneath in Holidays
 writing, "Broom" "New" "Sept 6"
 The "New" pass led me for a
 long time, because I thought
 it must be interpreted "H.W.",
 Holidays' normal contraction
 for his native place "Hollywood"
 or Broom. This however places
 his visit to Newland burn
 as 6th Sept, 1837, which is
 confirmed by his record for
Alysiid *protellae* & *A. Lucia*
 (Ent. mag. vol. V, pp. 235 & 236)
 in the following words: - "prope
 Edinburgh, Septembris incunata, p. 235
 & "Habitat, prope Edinburghum;
 lecta Septembris incunata", p. 236.
 The discovery of the above information
 was not the word of one house on
 one day, as there is no indication
 in the diary that Newland burn
 was even in Scotland! A.W.S.]
 16 *Athalia* *clifdeni*
Gryon misellus ♀
Aphidius *Tr. pallida*, or *largi* ♂
 18 *Euclyptus* ♂ [look]
 [no date] [Sept 6th 'AWS' *Saxpar* spp. →
 Newland burn.
Ganychorus pallipes, *trispudius*
Proctotrupes calcar, *pallipes*
longicornis
 Newland burn
Athalia spinicornis
Alysiid *Protellae* Newland B.
Alysiid ♂ [I believe this
 to be the type of Holidays'
A. Lucia 'AWS, 1949.]

[Cont. on p. 8, overleaf!]

1837.

Holidays diary (notes from) cont.

June 15th.

- Opis* *wesmali*
Alysiid on willows
Schizopoda *reunitor* ♂ (B. Prof.)
Centistes lucidator ♂

20.

- Alysiid* *tipular*
Opis *calcar* ♀ 2 record.
Triclyptus *pro* *Brach* *aphid*

22 *Longipterus* *Hermitales*

Oniscus *levis*

Opis *procurrens*

23 *Proctotrupes pallipes*

calcar, *niger*, *parvulus*.

Atractodes *Schizopoda*

Chelonus

Platygaster in prof.

27 *Opis* *manulipes* ♂ ♀

Opis *nubilator* ♀ on willows
 [Battering]

3rd July *Proctotrupes brevipennis*
S. puer ♂

Opis - on willows

Alysiid ♀ # 7th escaped

Metacoelus ictericus *micropterus*

5th July *Proctotrupes* *trispudius*

Proctotrupes *trispudius*

7. *Microgaster* *trispudius*
 11. *Microgaster* *trispudius*

11.

11.

Stigmon, *Triclyptus*

Triclyptus *pallipes*

Atractodes several spp.

Opis *trispudius*

Proctotrupes *trispudius* ♀ 2

Triclyptus *trispudius* 1

Opis - ♂ 1 - on willows
 ♂ ♂ *parvulus* ♂ ♂ *calcar*
 ♂ ♂ *niger*

10. *Blacus* *pogon*, *trispudius*

Triclyptus *trispudius*

12. *Proctotrupes* *trispudius*

13. *Phylax* *discolor* ♂ 1 ♀
 [near, planting]

Proctotrupes *trispudius*

Aphidius *Saliceti* ♂

Proctotrupes *trispudius* ♂

Triclyptus *pallipes* ♀ 1.

T. latipes on willow

Platygaster

Euphorus *nubilator* (sect A)

[Cont. on p. 7 opposite]

1837

Holiday's diary (note from) cont.

20th [May]. *Lyda pusilla* F. [H. H. H.]

Platygaster parvus ♂
in = 2° 2°

22. *Embryon thoracicus*

Microgaster spectabilis
fulvipes, +°

Alysia ruficeps in box where
I had larvae out of rotten wood, etc.

23. *Rogus* (Col.) *bracconius*

Ephedrus brevis n. s. non
infreq. on Birch

24. *Cerone* *trans* +

Tricorys aceris var. sp.

Leptophron edentatum 10, 19

27. *Alysia gracilis* [There
not clear what the refers to 'A.W.S.']

29. *Thunster* & rain

Received box from F. Walker
with *Leptand* insects, *Oxyura*,
Halictus [etc.] etc. etc.

- Budd, *burton* B.E. 4 x 1/2
- *Germar* - 1/2 of him for him

Cerone mandibularis

Tricorys difformis (spine)

L. apice flavus + on Birch

Perilitus aethiops small ♀

Pimpla ? ♂ & ♀ *subtus*

arenatus [Sound like the
♂ of *Pimpla* (*Proctocera*) *degeer*,
Waldt. A.W.S.]

June 1.

Aphelopus several

Toxares daltiger

Alysia juncei [There Holiday
own name for *Peritremis punctus* H.H.S.]

Tricorys B 110
[Willows, *Knocknagony* -

Platygaster ♂

Tenthredinidae A species

1

1 not rare

5. *Perilitus tempestivus* ♀

on willows

Proctotrupes aphepion
grass under ♂♂ [i.e. willows etc.]

June 6th

Helictes remitor [H. H. H.]

Telen ♂ & ♀ late *strato*
[or *strato*]

Ephedrus lacertosus

& *plagiator*

June 7th. [Hollywood Co. Down]

Monotomus sellatus 1

Opius blandus 1

O. impressus & *carbonarius*

Cerone *hean* several
[cont on p. 6 overleaf]

1837.

Holiday's diary (note from) cont.

[Cont. from p. 3 -]

* April 17. *Microtus thoracicus* -
on an oak tree

Thornton Watts

[i.e. in N. of England & specimen
is beautifully colored & labelled with
signature found by me in box 39 of
Holiday's coll. A.W.S.]

May [before 9th A.W.S.]

Platygaster *pept.*

Aphidius, *monotomus*, *Tricorys*

Ichneumon *feet.*

Euclyptus talpa

9th (Oxley) *Leptophron edentatum*

Euphorus

Dacnusa areolaris, 1000

remator

Opius spinulatus

Microgaster fulvipes

Dolichus

Pezomachus

Proctotrupes laricis C

16. *Microtus ochropus* ♂ & ♀

Cont →

[16th May 1837, cont.]

Rogus testaceus 1

Perilitus aethiops ♀ para C nigro

Platygaster ♂ B.E. globos

Microgaster 2

Megaspilus ♀, with small *areolaris*
not bad.

Helictes fulvipes not bad

Euclyptus talpa ♀

19. *Dryinus* ♀ *collaris* n. s. [H. H. H.]

Ephedrus B.E. 10-11 with *conat.*

U. brevis rectangular. ♂ ♂

glaber [for enlarged

photo. reproduction of the
part of diary see *Stylus* in

Proceedings R.I. Acad. XLVI,

sect B. No. 10, p. 130. 1941.]

Aphidius leucosternus

Euclyptus talpa ♂ & ♀

Many *Ichneumonidae*

Dacnusa affinis (uliginosa)

Telen elator

Euphorus pallipes

[cont on p. 5 opposite]

Holiday's Diary (notes taken from G.A.W.S.)
Original in S. in Nat. Hist. Dublin

1836.

[May cont. before 25th]

[Notes for April & May mainly up to Coleoptera & Lepidoptera & Hymenoptera & up to coast of Dublin - "H. Bull" "G. A. W. S."]
On 12th May *Bombus cephalotes* is recorded from "Bull. Bull." & three times further down, apparently, under same date, *Pisio maris* is recorded from "Clapden", which was Holiday's residence at Holywood, Co. Down, which is scarcely possible!

Later, without date or locality, but before entry of 25th May, the following, amongst other insects, are recorded: —

Hydra (membranacea?) sphaerulata
Microgaster only *fulvipes*
Pogon testaceus 1
Chalcidion pectoralis

[cont. in next column →]

Microgaster ochropus ♂ 1

"Wasps very few"

Hemiptera.

* *Schizotus remator*.

* *Perilitus temporarius* [the proper name "temporarius" written in red ink as if indicating a new record & both this & *Schizotus* marked by asterisk for same reason perhaps - A.W.S.]

"Tanychoris A²B²=B"

Are non Are sitting. P. 6, 3

[A description of the *Perilitus* in Holiday's shorthand, & pointed by to which is given in Nat. Hist. Review, vol. II, 1855, "Proceedings", pp. 59-60! A.W.S.]

*Amegilla edentata**Euphorus pallipes* abund.*Microgaster ochropus* (S^c. fusc.)

[May: no date]

Microgaster meridionalis var. *rid*
May 19. 1834. on Willow
in *Catalpa*

Opisus blandus Willson[*Opisus* in red ink! A.W.S.]*Alysiid flavipes* "Yen" [? var. A.W.S.]

[Some of above are repeated in the

date of 25th May - see p. 2!

A.W.S.]

